



# WORLDWIDE TV-FM DX ASSOCIATION

## SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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### FROM THE STAFF:

**ANARC NEWS:** We regret to announce that Ernie Wesolowski of Omaha is stepping down as WTFDA's representative to the *Association of North American Radio Clubs*. Ernie has served our interests well for several years and we appreciate his efforts. He will retain the duties until a replacement can be found. Any member interested in this position should contact Ernie or a member of the WTFDA Board of Directors. Applicants should keep in mind that access to e-mail, and the ability to attend the annual ANARC convention (at their expense) would be extremely helpful (but neither is *essential*).

**WHERE ARE YOUR LETTERS?** "MAILBOX" column editor Matt Sittel advises that his column does not appear this month due to lack of contributions. It's our feeling that opinion and comment from our members make for a healthy organization; and lack thereof gives cause to wonder if rumors of complacency are true. That's not likely the case, so get busy and send your 'letter to the editor'-type input to Matt.

**TV PHOTO NEWS:** In case you missed his appeal last month we'd like to make all VUD readers aware that Jeff Kruszka, editor of "TV PHOTO NEWS", is experiencing the same problem outlined in the previous paragraph...lack of material from our members. It's no secret that a lot of WTFDAers capture their DX catches on film...and Jeff urges you to share them with the rest of us by submitting them for publication in his popular feature.

**SKIP?...what's that?:** While a few of our east coast members have been doing relatively well in the e-skip department things haven't been too rosy elsewhere. Most e-skip enthusiasts seem to agree that this may go down in the record books as the worst season in years. Tropo conditions haven't been all that great either. Not easily discouraged, most who have been unhappy with the lack of activity this summer are optimistic about tropo conditions this fall; and of course, for e-skip, there's always NEXT year! Is this a great hobby or what? Hey! They don't call it "sporadic" for nothing!

**CONVENTION:** At deadline time for the August VUD publication, John Broomall (host of our Atlanta convention) estimates that between 25 and 30 are expected to attend. A highlight of the weekend promises to be an up-close look at "THE WEATHER CHANNEL" and it's new headquarters and operations facility in Atlanta. Look for a complete report on the convention in the September VUD. Meanwhile, it's not too early to start thinking about our 1998 gathering. Notice will be issued soon asking for prospective hosts to submit bids. If you're interested, please give the task some serious thought and work up a proposal.

# TV NEWS

August 1997

Douglas E. Smith W9W1  
1385 Old Clarksville Pike  
Pleasant View, TN 37146-8098  
72777.3143@compuserve.com

\*: Non-commercial station  
nc: No Change  
+/-: Channel offsets (plus,  
z/n: minus, zero, and none)  
^: Digital TV station

## APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	HAAT	City; applicant	
AK	45^	12		Anchorage; Goldbelt Inc.	61-20-10N/149-30-43W
CO	19^	860	403	Denver; KTVD-20	39-43-48N/105-14-05W
FL	11^	45	476	Daytona Beach; WESH-2	28-34-52N/ 81-04-30W
IA	31^	1000	566	Des Moines; KCCI-8	41-48-35N/ 93-37-16W
NE	20^	1000	373	Omaha; KETV-7	41-18-32N/ 96-01-37W
NM	21^	280	1264	Albuquerque; KOAT-7	35-12-53N/106-27-01W
OH	11^	5	?	Columbus; WBNS-10	39-58-16N/ 83-01-40W

The WGBH, WBNS, and Goldbelt applications are experimental. However, the other five are not. Yes, the first applications for regular commercial DTV stations have been filed. WESH's application is in italics because theirs was the first filed; WESH will go down in history as the first station to apply for a regular commercial DTV permit.

## CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	HAAT	City; applicant	
BC	25n	0.02		Horse Creek	51-12-55N/116-53-06W
BC	28n	0.02		Horse Creek	51-12-55N/116-53-06W
GA	18-	3.11	215	Augusta; T. J. Piper	33-29-07N/ 82-12-07W
ID	20n	10.3	?	Idaho Falls (K20FL)	43-32-32N/111-53-05W
ID	24n	10.2	?	Pocatello (K24EV)	42-51-58N/112-30-48W
MO	55+	1.16	372	Joplin (K55HU)	37-04-23N/ 94-32-54W
MT	53n	10	2441	Missoula (K53FS)	47-02-27N/113-59-10W
SC	31+	24	297	Columbia (W31BS)	33-46-52N/ 80-55-14W
TX	48n	11.2	?	Abilene (K48FT)	32-26-38N/ 99-44-04W

A wireless-cable system has been granted for Hobbema, Alberta, all stations 20 watts. Channels:  
19n - SuperChannel 21n - TSN 25n - TNN 27n - WXY2-7 (ABC)  
29n - WTVS-56 (PBS) 33n - WDIV-4 (NBC) 35n - WTOL-11 (CBS)  
43n - local native programming in Cree & English

## APPLICATIONS TO CHANGE EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
CT	30+	5010	nc	WVIT	New Britain	
LA	33z	nc	nc	KMSS-TV	Shreveport	32-39-58N/ 93-55-59W

## APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	
BC	32z	710	nc	CIVT	Vancouver	(from channel 42)

## CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
BC	14n	nc	nc	CH4112	Black Creek	(from channel 67n)
CA	44-	18.9	784	K44FD	San Luis Obispo	35-21-38N/120-39-21W
				(from K25DX channel 25, Santa Maria)		
CA	18+	3.71	1304	K18FH	Twentynine Palms	34-04-32N/115-57-18W
				(from K12MG channel 12, Joshua Tree)		
CO	38z	23.1	1769	K38FG	Denver	39-50-47N/105-01-50W
				(from K11NO channel 11, N. and S. Pinewood)		
CO	17-	17.4	2179	K17EN	Fort Collins	40-32-56N/105-11-47W
				(from K54CQ channel 54)		
FL	18z	28.3	180	WSVT-LP	Bradenton	27-32-42W/ 82-34-28W
				(from channel 14)		

## CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
GA	26-	25.3	629	W26BT	Marietta	34-04-02N/ 84-27-22W
				(from W56CD channel 56, Rome)		
IL	22-	1.5	297	W22AJ	Arlington Heights	42-08-10N/ 87-58-55W
				(WYLL-106.7 tower; from Waukegan)		
NV	25n	0.969	2258	K25FR	Elko	40-42-00N/115-54-09W
				(from K10JS, channel 10; KTVN-2 translator)		
NY	40z	10.0	nc	W40BJ	De Witt	43-00-25N/ 76-05-38W
				(from W07CA channel 7, Cazenovia)		
NY	35z	10	nc	WNYX-LP	Mineola (from ch. 44)	
NY	26-	12.4	366	WNGN-LP	Troy	42-47-08N/ 73-37-45W
				(from Hoosick Falls)		
OH	55+	14.2	394	WWRD-LP	Dayton (from Centerville)	
OH	62-	3.59	371	W62BT	Masury	41-05-10N/ 80-41-32W
				(from plus offset)		
OH	52-	18.7	408	W52CX	Youngstown	41-11-05N/ 80-41-31W
				(from W39AI channel 39)		
OR	26-	0.16	1847	K26FE	La Grande	45-26-15N/118-05-10W
				(from K54BX, channel 54)		
PA	18z	6.38	744	W18BN	Scranton	41-35-35N/ 75-25-55W
				(from Honesdale)		
PR	28+	10	nc	W28BA	Isabel Sounds (from Isabel Segunda)	
SD	5+	nc	313	KDLT	Mitchell	43-45-28N/ 98-24-39W
UT	26n	1.48	nc	K26FD	Heber City	40-33-45N/111-28-30W
				(from K06HY, channel 6; KSL-5 translator)		
UT	57n	1.96	2096	K57HK	Mount Pleasant (from K56BA, channel 56)	
VT	14+	11.6	1199	W14CK	Newport	42-55-27N/ 72-31-34W
				(from W58CG, channel 58)		
WY	19z	1.4	2651	K19CP	Mountain View	47-06-24N/110-12-29W
				(from Evanston; KJZZ-14 translator)		

## CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	
AL	69z	19.3	nc	WJUN-LP	Dothan (from minus offset)	
BC	32z	nc	nc	CIVT	Vancouver (from channel 42)	
CA	68z	nc	402	KNOK	Novato	38-09-00N/122-35-31W
CA	10-	0.21	1738	K10OC	Visalia	36-17-08N/118-50-17W
				(from Reedley)		
IA	42z	2.32	508	K42EN	Davenport	41-32-49N/ 90-28-35W
				(from K45ES, channel 45)		
IN	36-	23.4	305	W36CG	Evansville	38-03-53N/ 87-41-26W
				(from W48CB, channel 48)		
MD	41+	6.37	213	W41CE	Hagerstown	39-36-41N/ 77-46-53W
				(from W48AR, channel 48)		
TX	35z	14.9	101	K35EU	Corpus Christi	27-45-09N/ 97-27-18W
				(from K33ES channel 33, Alice)		
TX	31z	33.94	289	K31FA	Hillsboro	32-02-54N/ 97-01-14W
				(from K62CY, channel 62, Waco; displaced by KAKW-62)		
VT	52-	46.1	402	W52CD	St. Albans	44-47-00N/ 73-03-49W
				(from Burlington)		

The application of K65GD Amarillo, TX to change power output and tower height was returned.

## TECHNICAL CHANGES ON THE AIR

CA	57+	KSTV-TV	Ventura	(unknown)
CO	6-	KRMA	Denver	(minor tower height increase)
LA	62z	KLAF-LP	Opelousas	(move from Lafayette, 57km SE; minor power decrease and tower height increase)
MI	45-	WGRU	Vanderbilt	(major power increase)
MN	33z	K33ET	Aitkin	(from K70DH channel 70; move 1km northwest and major power increase)
NC	24z	W24CI	Boone	(from W50BH, Jefferson)
NM	17n	K17EM	Roswell	(move from K15CV channel 15)
OR	50+	K50FD	Baker City	(from channel 51)
PR	5-	WORA	Mayaguez	(go to circular polarization)
UT	44n	K44EA	Fillmore	(minor power decrease; move 35km south)
WI	48z	W6UX	Chippewa Falls	(major power increase; move 10km WNW)
WI	55-	WKEK	Kenosha	(major power increase; minor tower height increase; move 29km north-northwest)

## NEW STATIONS ON THE AIR

Call	Ch	Location	Power & HAAT	Coordinates
W19CB	19+	Montevallo, AL	12.6KW/215m	33-09-14N/ 86-50-12W
K11UC	11n	Carrizo, AZ	7W/1594m	33-59-45N/110-16-38W
		also K13XB & K09WV (not in FCC DB), K02PE (6W), K07WL		
K02PA	2?	Cedar Creek, AZ	not in FCC DB (also K07MI, K09WU, K11UA, K13XB)	
K02PF	2+	Cibique, AZ	1W/1640m	34-02-54N/110-29-37W
		also K07WK (3W), K09WW (not in DB), K11UB (3W), K13XE (not in FCC DB)		
KVYE	7+	El Centro, CA	316KW/389m	33-03-06N/114-49-41W
K43FA	43+	Santa Barbara, CA	10KW/659m	34-27-55N/119-40-38W
K25DV	25-	Santa Rosa, CA	640W/1219m	38-39-23N/122-36-54W
W62CE	62-	Orlando, FL	7.15KW/127m	28-21-31N/ 81-30-45W
KTVC	48-	Cedar Rapids, IA	2950KW/323m	42-17-17N/ 91-52-54W
K18EE	18n	Hailey, ID	2.51KW/2647m	43-38-36N/114-23-49W
K07WJ	7?	Colstrip, MT	not in FCC DB.	
W53BF	53-	Rocky Mount, NC	8.1KW/132m	35-54-43N/ 77-50-06W
KLKE	24+	Albion, NE	2570KW/378m	41-56-26N/ 98-16-56W
K26EP	26-	Dulce/Lumberton, NM	202W/2750m	36-59-00N/106-58-11W
K30EK	30z	Dulce/Lumberton, NM	269W/2746m	36-59-00N/106-58-11W
KENV	10-	Elko, NV	3.09KW/564m	40-41-53N/115-54-13W
W06BT	6+	Greece, NY	29W/177m	43-11-14N/ 77-42-09W
K51EY	51n	London Springs, OR	12W/362m	43-38-10N/123-05-34W
		(also K53FJ, K55HE, K57GW, and K59FS, all no offset & same facilities)		
WABA	32?	Pittsburgh, PA	(nothing in FCC DB)	
W35AZ	35z	Pittsburgh, PA	5.68KW/457m	40-26-46N/ 79-57-51W
W59BT	59+	Pittsburgh, PA	8.16KW/457m	40-26-46N/ 79-57-51W
W61CC	61-	Pittsburgh, PA	5.7KW/457m	40-26-46N/ 79-57-51W
WIDP	46z	Guayama, PR	1510KW/642m	18-16-48N/ 65-51-08W
K63FL	63n	Abilene/Sweetwater, TX	16KW/868m	32-24-18N/100-08-17W
K65GD	65n	Amarillo, TX	44.5KW/1212m	35-20-33N/101-49-21W
K35EK	35n	Sweetwater, TX	7.03KW/887m	32-25-51N/100-16-51W

Chris Cuomo is seeing WABA-LP on channel 32 in Pittsburgh, with The Box. All I can find for a channel 32 there is a CP for WBPA-LP 29 to move to channel 32 -- but WBPA is still operating on 29.

## STATIONS DELETED/DISMISSED/ETC.

K06MV Nenana, AK	W38BU Moody, AL	K08MG Taft, CA
K16DP, K36EI, K56FU Cedar Rapids, IA		K28EJ Conway Springs, KS
K24EO, K26EV Rayville, LA		W18BR Sault Ste. Marie, MI
W22BU, W42BZ, W50BX, W66CL Bangor, ME		K29DJ Cook, MN
W27BV, W42CF, W55CK, W69DQ Lewiston, ME		W60CH Tunica, MS
K29DO Bozeman, MT	W42CE Burgaw, NC	W23BK, W38CD Massena, NY
W41BY, W63CJ Watertown, NY		K28EW Grants Pass, OR
K36EG Pickstown, SD	W33BQ Jackson, TN	K16EC McCamey, TX
K13JQ, K65GN Wichita Falls, TX		W49BT, W55CM Lynchburg, VA
K17CP Grays River/Knappe, WA (maybe not; transfer of license also approved)		
K03HE, K05KA, K13XI Leavenworth, WA		K05KJ Oroville, WA
K54ES Usk, WA	W17BW, W21BO, W28BW, W66CU Eagle River, WI	
W53BJ Charleston, WV	K17DY Afton/Thayne, WY	K50EN Casper, WY

## CALL CHANGES

Was:	Location:	Now:	
KADE-33	S. Luis Obispo, CA	KTAS-33	W49BV Indiana, PA
K58DQ	Coeur d'Alene, ID	KTYU-LP	K05AI Huntsville, TX
K20EB	Ketchum, ID	KSVT-LP	K31AI Huntsville, TX
new-36	Hutchinson, KS	KAWJ-36	K10NT Longview, TX
WLKY-32	Louisville, KY	WLKY-TV	K05HX Lufkin, TX
K55HB	Natchitoches, LA	KAIN-LP	K11SI Lufkin, TX
WJUE-43	Battle Creek, MI	WILV-43	K13WC Lufkin, TX
			KHTM-LP

## PROGRAMMING CHANGES

CH4281-36; CH4285-45; CH4288-58	from TNN, MuchMusic, and CITV-13
Bear Lake, BC:	to CBC North, Family Channel, and CHAN-8.
CH2914-26; CH2915-28; CH4110-32; CH4112-14	
Black Creek, BC:	from KOMO-4, Knowledge, SuperChannel, and KIRO-7 to Knowledge, KOMO-4, KIRO-7, and SuperChannel
CH??-25, 28 Horse Creek, BC:	new, CITV-13 and Knowledge Network

## PROGRAMMING CHANGES

CH4420-8; CH4421-9; CH4423-11

Seton Portage, BC:  
**KUZZ-45+** **Bakersfield, CA:**  
 K31DN-31+ California City, CA:  
 K25DV-25+ Santa Rosa, CA:  
 W65CX-65+ Elizabethtown, KY:  
 K22CQ-22+ Monroe, LA:  
**KMCT-39+** **Monroe, LA:**

K02NQ-2+ Columbia, MO:  
 K11TB-11z Jefferson City, MO:  
 K35CT-35n Kansas City, MO:  
 W53BF-53- Rocky Mount, NC:  
**KLKE-24+** **Albion, NE:**  
**KBAS-5-** **Hastings, NE:**  
 K26EP-26- Dulce/Lumberton, NM:  
 K28ER-28+ Dulce/Lumberton, NM:  
 K30EK-30z Dulce/Lumberton, NM:  
 K39EJ-39n Espanola, NM:  
**WPCB-TV 40+** **Greensburg, PA:**  
**WQEX 16z** **Pittsburgh, PA:**  
 K21EN-21+ Yankton, SD:  
**KLDT-55z** **Lake Dallas, TX:**  
 K69AP-69n Morgan, UT:  
 K22DE-22n Tooele, UT:  
 W30BG-30+ Bridgewater, VA:

from SuperChannel, WDIV-4, and TSN to Discovery, KING-5, and ??  
**sold to Univision**  
 to Kaleidoscope  
 to relay KDTV-14 (Univision)  
 belongs to religious WJCR-FM 90.1  
 sold to KMCT-39; to go religious?  
**owners bought a LPTV; will KMCT change programming?**  
 to relay KMIZ-17?  
 to relay KMIZ-17?  
 to ValueVision  
 new, TBN  
**new, satellite of KLNK-8 (ABC)**  
**sold to KNOP-2; to be satellite of KNOP?**  
 new, KRQE-13 (CBS) translator  
 new, KOB-4 (NBC) translator  
 new, KOB-4 (NBC) translator?  
 new, KASA-2 (Fox) translator  
**sold to Paxson; to be INtv**  
**sold to Cornerstone; to be religious**  
 new, KTTW-17 (Fox) translator  
**to PSN (Pandamerica Shopping Network)**  
 sold to KUED-7 (PBS).  
 from KUED-7 to KSTU-13 (Fox) xltr.  
 new, WVIR-29 (NBC) translator

## OTHER STUFF

Thanks as always to various members for the information above! Ed Phelps in Kentucky noted the call change on WILV-43; I've yet to see anything official come through on this one, but the FCC is about two weeks behind in releasing call-letter data.

I've decided to report "RCAMSL" figures for LPTVs. This stands for "Radiation Center (of the transmitting antenna) Above Mean Sea Level". If you see a LPTV application/permit in your area, and know how far above sea level your city is, you can estimate the tower height of the LPTV. (also, many road atlases show the elevations of major cities) The FCC does not collect HAAT ("Height Above Average Terrain", the measurement they use for full-power stations) figures for LPTVs.

Speaking of LPTVs, again I've had to leave some information out due to lack of space. I'm listing new stations, stations changing channel or city of license, and programming information. You will continue to see complete information on all full-license stations.

Global Broadcasting Company has filed an application for a "developmental broadcast station" for event broadcasting. (sporting events, concerts, etc.) The call letters KF2XBF have already been assigned. If granted, this station would be allowed to operate from anywhere in the USA with 10 watts on any available VHF channel. (UHF operation was not requested) They've also asked for 40 watts on the AM broadcast band, and 10 watts on FM. This would be similar to the temporary stations frequently authorized in Canada - except the Canadians haven't tried this with TV.

The FCC was to release plans for the reallocation of channels 60-69 in mid July. Four of the channels will be used for public safety services such as ambulance, police, and fire radio; the rest will be auctioned for commercial use. The possibility remains that successful commercial bidders will use these channels for new TV stations.

Another Washington action, in the House Commerce Committee, would relax the 2006 deadline for DTV conversion and allow stations to keep their analog channels until 95% of their viewers have DTV receivers or converters. Another provision would allow a company to own a UHF station in the same market as another co-owned station, if they got the channel for the second station by bidding on returned analog channels. This act is not a done deal though; there is some opposition.

Here in Nashville, WZTV-17 has launched a local newscast at 9:00. I'm told it's produced by WKRN-2.

## FORUM

### Keith Smith, Flat Rock MI:

Besides his DTV questions, Keith also has some information on TV programming in southwest Ontario. Referring to CFPL-10 and CHWI-16, he says they're "pretty much parallel, except for their local newscasts". On Global, while CIII's channel 22 at Stevenson and channel 29 at Oil Springs go to a

network ID slide at signoff, Keith has seen their primary transmitter (channel 6 at Paris) with color bars with the word "GLOBAL" inserted in the lower right.

During the June 27 tropo, Keith also saw WMFD-68 Mansfield, Ohio with over 2 hours of local news! This station airs some kind of home shopping overnight, but Keith doesn't know which one.

### John Lentz, Muskego WI:

John reports the power increase for WHKE-55; "Snowfree and very clear that you need to take your glasses OFF to see anything!" On a trip to Illinois down I-94, he noted what appeared to be a TV tower right next to the WEZY-92.1 tower. "However it is not very tall, it's actually the same height as WEZY's tower." WHKE's construction permit is indeed for a site very close (less than 1km) to WEZY-FM's tower, and actually 6 meters (about 20') shorter than WEZY's tower. Still, it sounds like this one should put a pretty good signal into metropolitan Milwaukee..

Also in the Milwaukee area, John says he still hasn't seen any sign of WWRS-52. Nor has he seen any listings for this station in the local newspaper.

### Jeff Kadet, Macomb IL:

Jeff received an email from Fred Cantu (an anchor at an Austin, Texas TV station, and an authority on Mexican broadcasting) noting that TV Azteca now has a generally accessible Web site. Try [www.tvazteca.com.mx](http://www.tvazteca.com.mx). Click on the state you're interested in for a list of Azteca transmitters in that state. Unfortunately there's no easy way to get a complete list - but thanks to Fernando Garcia's detective work, there was one in the VUD a few months ago.

### Fred McCormack, St. Paul MN:

"I continue to see little DX, but am now seeing WEUX-48 fairly often during the morning and evening tropo enhancements. This leads me to believe that their CP for a facility change is now operating. I never saw it in its first four years even during the best openings." Sounds like they got their CP operating. Fred is surprised he doesn't get it more often than he does.

Fred is also looking for advice on a UHF preamp that can handle multiple high-power UHF's at 11 miles. I use a CM-7475 which worked pretty well on Madison's East Side, about 8 miles from four UHF's, but at the time none were using more than 1000KW ERP. I'm sure other suggestions would be appreciated!

KVYE-7 El Centro is reported in the *TV Factbook Addenda* as having signed on the first of 1997. It is in fact Univision, as reported in the VUD.

As for W18BB Elizabeth City, NC, Fred speculates "I wonder if W18BB didn't just 'fall' out of the FCC database? ... it seems that the database often contains a comment, such as cancelled, prior to the record actually being removed. In the case of W18BB, it was in the database up to 03/20/97 with no comment and was gone on 03/27/97 and has not returned." Agreed, I think Fred is right about this one. The "deleted CPs" you see in this column generally remain in the database for quite awhile, with the comment "CP cancelled", before the FCC actually removes them. I find it especially interesting that another LPTV has appeared in Elizabeth City, with the same licensee, on channel 46. (W46BV) I suspect W18BB applied to move to channel 46, and the FCC not only approved the move but prematurely deleted their old facility.

## DX ETC.

What's DX?? Geez, it's been the summer from he\*(... We did have one nice tropo opening, for the first time ever I had Dallas and Houston at the same time, but there wasn't much new out there. Skip has been nearly totally non-existent. Oh well, we are approaching the prime tropo season...

73 Doug



## AUGUST 1997

editor- GREG CONIGLIO  
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TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication:  
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### KEY:

& satellite programming  
AF: new freq. allocation **accepted** for filing for a new FM license  
AFA: American Family Association  
CC: call change/new calls assigned  
CL: city of license change granted  
CO: new xmtr co-ordinates  
CX: a CP has expired, and is cancelled  
C1, C2, etc: change in class status  
DA: directional antenna  
DE: calls deleted, license returned to FCC  
FC: station format change

GA: **granted** amendment to table of FM allocations  
GE: station was **granted** extension of a CP  
GX: **granted** replacement of expired CP  
LC: filed for license to cover (for new stn.)  
MC: **multiple-city** legal ID  
NC: **no** change yet, on a reported pending grant/change.  
ND: non-directional  
NO: station is **not** on the air  
NS: a **new** station granted a license  
OSA: one-step application  
NW: **new** station signs on the air  
PA: **proposed** amendment to change table of allocations  
PC>: a **power** change (increase)

PC<: a **power** change (decrease)  
PG>: **power** change **granted** (increase)  
PG<: **power** change **granted** (decrease)  
QC: **frequency** change for this station  
QG: **frequency** change **granted**  
RA: station **returns** to the air  
RE: station **requests** extension of a CP  
RX: station **requests** re-instatement of an expired CP  
SG: slogan change or update  
SI: station is **silent**  
XA: **dismissed** amendment to the table of FM allocations  
XC: station changes xmtr site  
XG: station granted a transmitter (xmtr) site change



## UNITED STATES

### ALABAMA:

Auburn: WKRR 97.7 PG> 3.1 kW, 453 ft, XG: 32-33-54 / 85-22-13  
Birmingham: WZRR99.5 NC to 100 kW (cir), 1014 ft, class C, XC: 33-27-45 / 86-50-09  
Brantley: WAOQ100.3 NO-GX  
Butler: WKZB 93.5 CC (ex WQGL)  
Chatham: WFOV 106.1 GA: to CL: Grove Hill, AL  
Demopolis: WZNJ106.5 PG> 25 kW  
Eufala: WULA 92.7 FC to CHR  
Lisman: WPRN107.7 6 kW, 328 ft, CC (NS)  
Opelika: WMXA 96.7 PG> 3.5 kW, 430 ft, XG: 32-33-54 / 85-22-13

### ALASKA:

Anchorage: KFAT 92.9 PG< 26 kW, -226 ft, C2 XG: 61-08-13 / 149-50-06  
Chevak: KCUK 88.1 NC to 6 kW (h), 79', GX  
Houston: KQEZ 92.1 CC (ex KCYT), NW, soft AC "Easy 92.1" (Anchorage)  
Juneau: KAMT100.7 NO-GX  
Juneau: KAKZ102.7 NO-GX  
Valdez: \*\*\* 93.3 GA: add class A

### ARIZONA:

Chandler: K276EB103.1 NS-3w: KLVA 105.5  
Douglas: KRMC 91.7 LC  
Payson: KESP101.1 CC (NS)  
Williams: KWMX 96.7 CC (ex KVTF)



### ARKANSAS:

Lowell: KKZQ101.9 FC to hot AC "Mix 101.9"  
Nashville: \*\*\* 96.9 GA: add class A

### CALIFORNIA:

Fresno: KNAX 97.9 PG> 10.5 kW, 1075 ft, XG: 36-55-48 / 119-38-27  
Joshua Tree: KKJT92.1 RA with modern AC (&)  
Lompoc: KAOH104.9 NO-GX  
Mendocino: KAKX 89.3 NO-GX  
Morro Bay: KAGR 94.1 NO-GX  
Oakhurst: KAAT103.1 PC> 25 kW, 125 ft, B1 XG: 37-28-24 / 119-37-56  
Oxnard: KDAR 98.3 PC> 1.5 kW, 1289ft, B1 XG: 34-20-55 / 119-19-57  
Riverside: KELT 92.7 CC (ex KXEZ)  
Sacramento: KEDR88.1 LC  
San Francisco: KOYT 95.7 CC (ex KPIX)  
San Luis Obispo: KOTR1 94.9 NS-420w (v), DA  
Shingle Sp: KSSJ101.9 PC> 47 kW, 505 ft, DA class B, XC: 38-51-12 / 120-56-23  
Soledad: K236AJ 95.1 NS-10w: KLVM 89.7  
Thousand Oaks: KMLT 92.7 CC (ex KNJO)

### COLORADO:

Glenwood Sp: \*\*\* 95.5 GA: add class A

### CONNECTICUT:

Danbury: WXCI 91.7 NC to 3 kW, 220 ft, DA XG: 41-23-42 / 73-29-14

### FLORIDA:

Arcadia: WWRZ98.3 FC to soft AC (Lakeland) PC> 50 kW, 459 ft, C2, XC: 27-28-47 / 81-47-58  
Chattahoochee: WBCD 105.3 PG> 11.5 kW, 485 ft, C3, XG: 31-15-48 / 85-18-24, CL: Headland, AL  
Destin: WMMK92.1 ads Moby  
Ft. Myers: WGPU 90.1 CC (ex WSFP)  
Homestead: WRGP 88.1 NO-GX  
Marathon: WKTS 97.7 NO-RE  
N. Port Richey: WLPJ91.5 PG> 22 kW, 230 ft, DA, C3  
Tallahassee: WAIB103.1 PC< 42 kW, 541 ft, XC: 30-29-39 / 84-14-00  
Tice: WAAD 93.7 NO-RE

## FMNEWS

### GEORGIA:

Cedartown: WJCK 88.3 PG< 2.7 kW (v), 1000 ft, DA, class C3, XG: 33-50-17 / 85-43-57  
CL: Piedmont, AL

Douglas: WKZZ 92.5 NO-GX

Jesup: WIFO 105.5 OSA to C3, 25 kW, 308 ft.

### IDAHO:

Franklin: \*\*\* 97.7 GA: add class A  
Mountain Home: KTPZ 99.1 OSA to class C, 80 kW, 2191 ft, XG: 43-14-43 / 115-26-12  
Victor: \*\*\* 104.3 GA: add class A  
Victor: \*\*\* 92.9 GA: add class A

### ILLINOIS:

Arlington Hts: WCBR92.7FC, adds brokered talk in the evening, and dance-CHR Friday 7pm - Sunday 7 pm (Chicago)  
Lansing: WYBA106.3 CC (ex WEJM)  
Oregon: WOXM106.1 NO-RE  
Rockford: WFEN 88.3 PG> 8.5 kW (v), 1 kW (h) 574 ft, DA, class B  
Wilmington: WYKT105.5 PC< 1.3 kW, 482 ft, XC: 41-17-11 / 88-14-23



### INDIANA:

Anderson: WQME98.7 PC< 4.5 kW, 384 ft, XC: 39-58-59 / 85-42-41  
Hagerstown: WBSH91.1 NO-GX  
Kentland: \*NS 101.7 6 kW, 328 ft.  
Nashville: WVNI 95.1 NO-RE  
Richmond: WFMG101.3 NC to 44 kW, 528 ft, XC: 39-49-41 / 84-55-57

### IOWA:

Ames: KCCQ107.1 QG to 105.1 - C3, 25 kW 328', XG: 42-04-38 / 93-38-54  
Estherville: KILR 95.9 NC to 10 kW, 325', GE  
St. Ansgar: \*NS 95.5 1 kW, 26 ft.

### KANSAS:

Dodge City: KONQ91.9 NC to 223 ft, XC, GE  
El Dorado: \*NS 88.1 400w, 92 ft.  
Fredonia: KGGF104.1 NO-RE

### KENTUCKY:

Garrison: WNUU 98.3 NO-GX  
Harrodsburg: WHBN99.3 OSA to C3, 7 kW, 617 ft, DA XG: 37-47-18 / 84-40-49

Hawesville: WXCM 97.1 QC from 105.7, PC> 5 kW

### LOUISIANA:

Baker: WTGE107.3 CC (ex WGGZ), FC to modern rock (Baton Rouge)  
Clayton: KFGA107.9 NO-RE (2nd), CC (NS)  
Many: KAVK 89.7 CC (NS)

### MAINE:

Dennysville: WHRR102.9 LC  
Old Town: WBZN107.3 FC to CHR "Z107.3" (Bangor)

### MASSACHUSETTS:

Amherst: WFCR 88.5 PC< 13 kW, 968 ft.

### MICHIGAN:

Detroit: WKRR 97.1 CC (ex WYST), "K-Rock"  
Lake City: WNH104.9 NO-RX  
L'Anse: WCUP106.1 QG to 105.7 - C1, PG> 51 kW, 856', XG: 46-39-50 / 88-23-06  
Leroy Twp: WLGH 88.1 NW, TWN cont. Christian (&)  
Stephenson: WFON106.3 NO-RE  
Tawas City: WQLB 103.3 NO-RE  
Tuscola: WWSN101.5 QC from 101.7  
Walker: WQFN100.5 XG: 43-00-59 / 85-44-24 decrease to 302 ft.

### MISSISSIPPI:

Grenada: WQXB100.1 NC to 24.5 kW, 708', DA C2, XC: 33-41-24 / 89-55-53

Laurel: WMXI 98.1 reported SI

### MISSOURI:

Houston: KUNQ 99.3 reported SI  
Kennett: KAUF 89.9 NW, AFA cont. Christian (&)  
Lexington: KISF 107.3 SG "The X" (Kansas City)sx  
Potosi: KHCR 97.7 NW, cont. Christian  
"Hit Christian Radio 97.7 KHCR"  
Warsaw: KAYQ 97.7 FC to classic cntry (&)  
Wheeling: \*NS 105.9 6 kW, 213 ft.

### MONTANA:

Conrad: KEIN 93.7 100 kW, 558 ft., CC (NS)  
Helena: K212ER90.3 NS-5w: KLVC 88.3 CA  
Kennett: KAUF 89.9 LC

### NEBRASKA:

McCook: KSWN 94.1 CC (NS)

### NEW HAMPSHIRE:

Rochester: WSRI 96.7 adds Jones adult after. (&)

### NEW JERSEY:

Atlantic City: WAJM88.9 NW, variety  
Atlantic City: WMGM 103.7 XG: 39-23-24 / 74-30-45  
Toms River: W264AM 100.7 NS-55w: WJRZ 100.1  
Tuckerton: WTUC 99.7 NO-GX

### NEW MEXICO:

Almogordo: \*\*\* 107.9 GA: add class A  
Los Alamos: KABG98.5 PC> 100 kW, 1906 ft, XC: 35-46-49 / 106-31-37, CC (ex KTMN)  
FC to oldies "Big Oldies" (Albuquerque)  
Santa Fe: KNYN 95.5 PC< 19 kW, 1791 ft, XC: 35-46-49 / 106-31-37

### NEW YORK:

Brockport: WASB105.5 NO-GX, NO-RE  
Hornell: \*NS 88.7 4.5 kW, 495', DA (WSKG)  
Jamestown: WHUG101.9QC from 101.7, PC> 6 kW 328 ft, XC: 42-07-53 / 79-13-13  
Malone: WYNN 96.5 adds ABC country (&)  
Rochester: WIRQ104.7 QC from 94.3  
Saugerties: \*NS 92.9 6 kW, 328 ft.



## NORTH CAROLINA:

Franklin: WRRF 96.7 adds Jones AC (&)  
 Hope Mills: WCCG104.5 NW, classical, but with  
 a new format to follow shortly (Fayetteville)  
 Old Fort: WMXF104.3 PG> 6 kW, 171 ft., DA  
 XG: 35-37-44 / 82-20-46  
 Raleigh: \*NS 102.9 PG to 1.7 kW, 620 ft.  
 XG: 35-47-38 / 78-45-41  
 Roanoke Rapids: WZRU 88.5 PC< 26 kW (cir), 413'  
 DA, XC: 36-27-38 / 77-33-52  
 Rocky Mt: WRQM90.9 FC, drops jazz for  
 just news and classical

## NORTH DAKOTA:

Dickinson: KRRB 92.1 NC to 10.5 kW, 492 ft, C3  
 XC: 46-56-09 / 102-43-55  
 Hettinger: \*NS 93.5 100 kW, 699 ft.

## OHIO:

Canton: WHK 98.1 CC (ex WHOK), FC  
 to religion // WHK 1420 Cleveland  
 Cincinnati: WEBN102.7 PG< 16 kW, 866 ft,  
 XG: 39-06-59 / 84-30-07  
 Columbus: WJZA 107.5 FC to urban AC  
 Columbus: WUFM 88.7 PC> 5 kW, class B  
 Delaware: WLYR107.9 PG< 2.6 kW, 505 ft,  
 XG: 40-14-43 / 82-55-48  
 Lima: WAJC104.9 CC (ex WLJM), FC to  
 ABC AC (&)  
 Marion: WOSB 91.1 CC (NS)

## OKLAHOMA:

Dickson: \*\*\* 103.5 GA: add class C3  
 Nowata: KRIG 104.9 OSA to 15 kW, 423 ft, DA  
 class C3

Okmulgee: KCFM 94.1 PC> 100 kW, 807 ft, C1  
 Sumner: K216DK 91.1 NS-70w: KLVC 88.3 CA

## OREGON:

Lakeview: KQIK 93.5 NC to 12 kW, C2, GX  
 Milton-Freewater: KLKY 97.9 FC to classic rock  
 "The Hawk"  
 Portland: KUPL 98.5 GA: to 98.7 - C1  
 Reedsport: KRBZ 99.5 PG> 11 kW, 400 ft, C3  
 Seaside: KULU 98.9 NO-GE, GA: to 102.3 - A  
 Springfield: KQFE 88.9 PG> 1250 watts

*Star  
104.5fm*

## PENNSYLVANIA:

Johnstown: WQEZ 89.7 CC (ex WATP)  
 Masontown: \*NS 88.5 16 kW (v), 328 ft.  
 Philadelphia: WYXR104.5 FC to hot AC  
 Reynoldsville: WDSN 106.5 QC from 99.5, PC> 6 kW  
 St. Mary's: WPKK 97.5 CC (ex WKVE) "The Peak"  
 Williamsport: WPTC88.1 CC (ex WWAS)

## SOUTH CAROLINA:

Bowman: WACJ 94.5 PG> 6 kW, XG: 33-19-13 /  
 80-43-52  
 Mullins: WWSK107.1 FC to modern rock (Myrtle B.)  
 Orangeburg: WKSO103.9 NC to 9200w, 531', B, GE  
 Surfside Bch: WYAK103.1 PC< 8 kW, 528 ft,  
 XC: 33-47-06 / 78-52-44

## SOUTH DAKOTA:

Redfield: \*NS 97.7 62 kW, 190 ft.  
 Sioux Falls: KELO 92.5 adds Delilah

## TENNESSEE:

Elizabethton: \*NS 90.5 500w, -285 ft, DA  
 Paris: WLZK 94.1 CC (ex WMUF)  
 Union City: WKWT104.9 PC> 6 kW, 305 ft,  
 XC: 36-28-25 / 88-56-41

## TEXAS:

Abilene: KROW 92.5 CC (ex KFXJ)  
 Anson: KKHR 98.1 FC to tejano "Star 98.1"  
 Bandera: KEEP 98.3 RA with progressive CW  
 // KFAN 101.1  
 Bells: KMKR 93.1 OSA to C3, 6.8 kW, 626 ft.  
 Borger: KAVO 91.5 CC (NS)  
 Burnet: KHLB 106.9 PG> 4.7 kW, 358 ft, DA  
 Caldwell: KLTR 95.1 NO-RX  
 Centerville: KAJG 103.1 NO-RE  
 Crystal Beach: KSTB 101.5 PC< 14 kW, 449 ft.  
 Denver City: \*NS 97.5 39 kw, 459 ft.  
 Galveston: KLTP 96.3 XA: to Menard, TX  
 Harker Hts: KYUL105.5 NC to 36 kW, 577', RX  
 Hereford: KHFD103.5 CC (ex KAUU)  
 Kilgore: KTPB 88.7 PC> 62.1 kW (h), 79.4 kW (v)  
 551 ft, class C1, DA

LaGrange: KBUK104.9 XA: to Smithville, TX  
 Leaky: KBLT 104.3 NW, oldies (&) // KBNU  
 Llano: \*\*\* 96.3 GA: add class A  
 Llano: KBAE104.3 GA: to 104.9 - C3,  
 CL: Marble Falls, TX

McCarney: \*NS 95.3 3 kW, 758 ft.  
 New Boston: KZRB 103.5 PC> 50 kW, 492', C2  
 Palestine: KLIS 96.7 OSA to C2, 50 kW, 384 ft.  
 Rosenberg: KLTO104.9 XA: to class A, Katy, TX  
 and also XC: to C3 - Missouri City, TX  
 San Antonio: KSYM90.1 FC to alternative  
 San Antonio: KROM92.9 PC< 45 kW, 1351 ft, C1  
 XG: 29-16-29 / 98-15-52  
 Sterling City: KAKR96.5 NO-RE  
 Tahoka: KMMX100.3 FC to adult cont. (Lubbock)

## VERMONT:

Wilmington: WVAY100.7 FC to WW1 adult rock  
 // WKVT 92.7 (Keene, NH)

## VIRGINIA:

Charlottesville: WWWW 97.5 PC< 8.9 kW, 1132 ft, B  
 Roanoke: WRDJ104.9 NC to 3.1 kW, 925', GE

## WASHINGTON:

Leavenworth: KLVH101.1 NC to 97.7, RE  
 Walla Walla: KUJ 99.1 FC to CHR "Power 99"

## WEST VIRGINIA:

Milton: WAMX106.3 PC> 1650w, 1109 ft, class B1  
 Romney: WJJB 100.1 NC to 900w, DA, RE

## WISCONSIN:

Kellnersville: \*\*\* 97.1 PA: add class A  
 Lancaster: WJTY 88.1 PC> 50kW (v), 7 kW (h)  
 Mukwonago: \*\*\* 105.3 GA: add class A  
 Whitewater: WKCH106.5 PG> 6 kW, 200 ft, DA  
 XG: 42-54-24 / 88-45-06

## WYOMING:

Laramie: KSNA104.5 CC (ex KKNG)

## GEORGIA:

Cedartown: WJCK 88.3 PG< 2.7 kW (v), 1000 ft.  
 DA, class C3, XG: 33-50-17 / 85-43-57  
 CL: Piedmont, AL  
 Douglas: WKZZ 92.5 NO-GE  
 Jesup: WIFO 105.5 OSA to C3, 25 kW, 308 ft.  
**IDAHO:**  
 Franklin: \*\*\* 97.7 GA: add class A  
 Mountain Home: KTPZ 99.1 OSA to class C, 80 kW  
 2191 ft, XG: 43-14-43 / 115-26-12  
 Victor: \*\*\* 104.3 GA: add class A  
 Victor: \*\*\* 92.9 GA: add class A

## ILLINOIS:

Arlington Hts: WCBR92.7FC, adds brokered talk in  
 the evening, and dance-CHR Friday 7pm -  
 Sunday 7 pm (Chicago)  
 Lansing: WYBA106.3 CC (ex WEJM)  
 Oregon: WOXM106.1 NO-RE  
 Rockford: WFEN 88.3 PG> 8.5 kW (v), 1 kW (h)  
 574 ft, DA, class B  
 Wilmington: WYKT105.5 PC< 1.3 kW, 482 ft.  
 XC: 41-17-11 / 88-14-23



## INDIANA:

Anderson: WQME98.7 PC< 4.5 kW, 384 ft  
 XC: 39-58-59 / 85-42-41  
 Hagerstown: WBSH91.1 NO-GE  
 Kentland: \*NS 101.7 6 kW, 328 ft.  
 Nashville: WVNI 95.1 NO-RE  
 Richmond: WFMG101.3 NC to 44 kW, 528 ft  
 XC: 39-49-41 / 84-55-57

## IOWA:

Ames: KCCQ107.1 QG to 105.1 - C3, 25 kW  
 328', XG: 42-04-38 / 93-38-54  
 Estherville: KILR 95.9 NC to 10 kW, 325', GE  
 St. Ansgar: \*NS 95.5 1 kW, 26 ft.

## KANSAS:

Dodge City: KONQ91.9 NC to 223 ft, XC, GE  
 El Dorado: \*NS 88.1 400w, 92 ft.  
 Fredonia: KGGF104.1 NO-RE

## KENTUCKY:

Garrison: WNUU 98.3 NO-GE  
 Harrodsburg: WHBN99.3 OSA to C3, 7 kW, 617 ft, DA  
 XG: 37-47-18 / 84-40-49

Hawesville: WXCM 97.1 QC from 105.7, PC> 5 kW

## LOUISIANA:

Baker: WTGE107.3 CC (ex WGGZ), FC  
 to modern rock (Baton Rouge)  
 Clayton: KFGA107.9 NO-RE (2nd), CC (NS)  
 Many: KAVK 89.7 CC (NS)

## MAINE:

Dennysville: WHRR102.9 LC  
 Old Town: WBZN107.3 FC to CHR "Z107.3" (Bangor)

## MASSACHUSETTS:

Amherst: WFCR 88.5 PC< 13 kW, 968 ft.

## MICHIGAN:

Detroit: WKRK 97.1 CC (ex WYST), "K-Rock"  
 Lake City: WNH104.9 NO-RX  
 L'Anse: WCUP106.1 QG to 105.7 - C1,  
 PG> 51 kW, 856', XG: 46-39-50 / 88-23-06  
 Leroy Twp: WLGH 88.1 NW, TWN cont. Christian (&)  
 Stephenson: WFON106.3 NO-RE  
 Tawas City: WQLB 103.3 NO-RE  
 Tuscola: WWSN101.5 QC from 101.7  
 Walker: WQFN100.5 XG: 43-00-59 / 85-44-24  
 decrease to 302 ft.

## MISSISSIPPI:

Grenada: WQXB100.1 NC to 24.5 kW, 708', DA  
 C2, XC: 33-41-24 / 89-55-53

Laurel: WMXI 98.1 reported SI

## MISSOURI:

Houston: KUNQ 99.3 reported SI  
 Kennett: KAUF 89.9 NW, AFA cont. Christian (&)  
 Lexington: KISF 107.3 SG "The X" (Kansas City) sx  
 Potosi: KHCR 97.7 NW, cont. Christian  
 "Hit Christian Radio 97.7 KHCR"  
 Warsaw: KAYQ 97.7 FC to classic cntry (&)  
 Wheeling: \*NS 105.9 6 kW, 213 ft.

## MONTANA:

Conrad: KEIN 93.7 100 kW, 558 ft., CC (NS)  
 Helena: K212ER90.3 NS-5w: KLVC 88.3 CA  
 Kennett: KAUF 89.9 LC

## NEBRASKA:

McCook: KSWN 94.1 CC (NS)

## NEW HAMPSHIRE:

Rochester: WSRI 96.7 adds Jones adult alter. (&)

## NEW JERSEY:

Atlantic City: WAJM88.9 NW, variety  
 Atlantic City: WMGM 103.7 XG: 39-23-24 / 74-30-45  
 Toms River: W264AM 100.7 NS-55w: WJRZ 100.1  
 Tuckerton: WTUC 99.7 NO-GE

## NEW MEXICO:

Almogordo: \*\*\* 107.9 GA: add class A  
 Los Alamos: KABG98.5 PC> 100 kW, 1906 ft,  
 XC: 35-46-49 / 106-31-37, CC (ex KTMN)  
 FC to oldies "Big Oldies" (Albuquerque)  
 Santa Fe: KNYN 95.5 PC< 19 kW, 1791 ft.  
 XC: 35-46-49 / 106-31-37

## NEW YORK:

Brockport: WASB105.5 NO-GX, NO-RE  
 Hornell: \*NS 88.7 4.5 kW, 495', DA (WSKG)  
 Jamestown: WHUG101.9QC from 101.7, PC> 6 kW  
 328 ft, XC: 42-07-53 / 79-13-13  
 Malone: WYNN 96.5 adds ABC country (&)  
 Rochester: WIRQ104.7 QC from 94.3  
 Saugerties: \*NS 92.9 6 kW, 328 ft.





**NORTH CAROLINA:**

Franklin: WRFR 96.7 adds Jones AC (&)  
 Hope Mills: WCCG104.5 NW, classical, but with  
 a new format to follow shortly (Fayetteville)  
 Old Fort: WMXF104.3 PG> 6 kW, 171 ft., DA  
 XG: 35-37-44 / 82-20-46  
 Raleigh: \*NS 102.9 PG to 1.7 kW, 620 ft.  
 XG: 35-47-38 / 78-45-41  
 Roanoke Rapids: WZRU 88.5 PC< 26 kW (cir), 413'  
 DA, XC: 36-27-38 / 77-33-52  
 Rocky Mt: WRQM90.9 FC, drops jazz for  
 just news and classical

**NORTH DAKOTA:**

Dickinson: KRRB 92.1 NC to 10.5 kW, 492 ft, C3  
 XC: 46-56-09 / 102-43-55

Hettinger: \*NS 93.5 100 kW, 699 ft.

**OHIO:**

Canton: WHK 98.1 CC (ex WHOK), FC  
 to religion // WHK 1420 Cleveland  
 Cincinnati: WEBN102.7 PG< 16 kW, 866 ft,  
 XG: 39-06-59 / 84-30-07  
 Columbus: WJZA107.5 FC to urban AC  
 Columbus: WUFM 88.7 PC> 5 kW, class B  
 Delaware: WLYR107.9 PG< 2.6 kW, 505 ft,  
 XG: 40-14-43 / 82-55-48

Lima: WAJC104.9 CC (ex WLJM), FC to  
 ABC AC (&)

Marion: WOSB 91.1 CC (NS)

**OKLAHOMA:**

Dickson: \*\*\* 103.5 GA: add class C3  
 Nowata: KRIG 104.9 OSA to 15 kW, 423 ft, DA  
 class C3

Okmulgee: KCFM 94.1 PC> 100 kW, 807 ft, C1  
 Sumner: K216DK 91.1 NS-70w: KLVC 88.3 CA

**OREGON:**

Lakeview: KQIK 93.5 NC to 12 kW, C2, GX  
 Milton-Freewater: KLKY 97.9 FC to classic rock  
 "The Hawk"

Portland: KUPL 98.5 GA: to 98.7 - C1  
 Reedsport: KRBZ 99.5 PG> 11 kW, 400 ft, C3  
 Seaside: KULU 98.9 NO-GE, GA: to 102.3 - A  
 Springfield: KQFE 88.9 PG> 1250 watts

**Star 104.5fm**

**PENNSYLVANIA:**

Johnstown: WQEZ 89.7 CC (ex WATP)  
 Masontown: \*NS 88.5 16 kW (v), 328 ft.  
 Philadelphia: WYXR104.5 FC to hot AC  
 Reynoldsville: WDSN 106.5 QC from 99.5, PC> 6 kW  
 St. Mary's: WPKK 97.5 CC (ex WKVE) "The Peak"  
 Williamsport: WPTC88.1 CC (ex WWAS)

**SOUTH CAROLINA:**

Bowman: WACJ 94.5 PG> 6 kW, XG: 33-19-13 /  
 80-43-52

Mullins: WWSK107.1 FC to modern rock (Myrtle B.)  
 Orangeburg: WKSO103.9 NC to 9200w, 531', B, GE  
 Surfside Bch: WYAK103.1 PC< 8 kW, 528 ft,  
 XC: 33-47-06 / 78-52-44

**SOUTH DAKOTA:**

Redfield: \*NS 97.7 62 kW, 190 ft.  
 Sioux Falls: KELO 92.5 adds Delilah

**TENNESSEE:**

Elizabethton: \*NS 90.5 500w, -285 ft, DA  
 Paris: WLZK 94.1 CC (ex WMUF)  
 Union City: WKWT104.9 PC> 6 kW, 305 ft,  
 XC: 36-28-25 / 88-56-41

**TEXAS:**

Abilene: KROW 92.5 CC (ex KFXJ)  
 Anson: KKHR 98.1 FC to tejano "Star 98.1"  
 Bandera: KEEP 98.3 RA with progressive CW  
 // KFAN 101.1

Bells: KMKM 93.1 OSA to C3, 6.8 kW, 626 ft.

Borger: KAVO 91.5 CC (NS)

Burnet: KHLB 106.9 PG> 4.7 kW, 358 ft, DA

Caldwell: KLTR 95.1 NO-RX

Centerville: KAJG 103.1 NO-RE

Crystal Beach: KSTB 101.5 PC< 14 kW, 449 ft.

Denver City: \*NS 97.5 39 kw, 459 ft.

Galveston: KLTP 96.3 XA: to Menard, TX

Harker Hts: KYUL105.5 NC to 36 kW, 577', RX

Hereford: KHFD103.5 CC (ex KAUU)

Kilgore: KTPB 88.7 PC> 62.1 kW (h), 79.4 kW (v)  
 551 ft, class C1, DA

LaGrange: KBUK 104.9 XA: to Smithville, TX

Leaky: KBLT 104.3 NW, oldies (&) // KBNU

Llano: \*\*\* 96.3 GA: add class A

Llano: KBAE 104.3 GA: to 104.9 - C3,

CL: Marble Falls, TX

McCombs: \*NS 95.3 3-KW, 758 ft.

New Boston: KZRB 103.5 PC> 50 kW, 492', C2

Palestine: KLIS 96.7 OSA to C2, 50 kW, 384 ft.

Rosenberg: KLTO104.9 XA: to class A, Katy, TX

and also XC: to C3 - Missouri City, TX

San Antonio: KSYM90.1 FC to alternative

San Antonio: KROM92.9 PC< 45 kW, 1351 ft, C1

XG: 29-16-29 / 98-15-52

Sterling City: KAKR96.5 NO-RE

Tahoka: KMMX100.3 FC to adult cont. (Lubbock)

**VERMONT:**

Wilmington: WVAY100.7 FC to WW1 adult rock  
 // WKVT 92.7 (Keene, NH)

**VIRGINIA:**

Charlottesville: WWWW 97.5 PC< 8.9 kW, 1132 ft, B  
 Roanoke: WRDJ104.9 NC to 3.1 kW, 925', GE

**WASHINGTON:**

Leavenworth: KLVH101.1 NC to 97.7, RE  
 Walla Walla: KUJ 99.1 FC to CHR "Power 99"

**WEST VIRGINIA:**

Milton: WAMX106.3 PC> 1650w, 1109 ft, class B1  
 Romney: WJJB 100.1 NC to 900w, DA, RE

**WISCONSIN:**

Kellnersville: \*\*\* 97.1 PA: add class A  
 Lancaster: WJTY 88.1 PC> 50kW (v), 7 kW (h)  
 Mukwonago: \*\*\* 105.3 GA: add class A  
 Whitewater: WKCH106.5 PG> 6 kW, 200 ft, DA  
 XG: 42-54-24 / 88-45-06

**WYOMING:**

Laramie: KSNA104.5 CC (ex KKNG)

**U.S. TERRITORIES:****PUERTO RICO:**

Vieques: WSAN 98.9 FC to easy listening (S. Juan)

**VIRGIN ISLANDS:**

Charlotte Amalie: WVPI 104.3 RA with gold based AC  
 Christiansted: WSTX100.3 RA with calypso // AM



CANADA

**BRITISH COLUMBIA:**

Abbotsford: CFSR1104.9 QG to 92.5

Atlin: \*NS 98.1 3 w, to be // CHFI 98.1 ON

Nelson: CHNV103.5 FC to country // CKQR 760

**ONTARIO:**

Timmins: CJQQ 92.1 PC> 40 kW

**QUÉBEC:**

Paspebiac: \*NS 103.1 16.1w, // CIEU 94.9 PQ

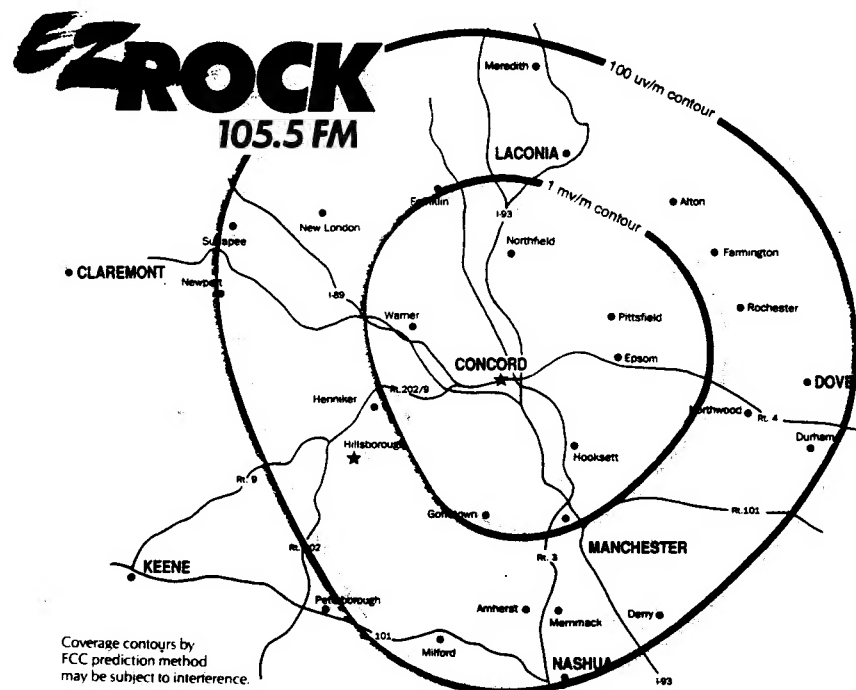
**YUKON:**

Upper Liard: \*NS 98.1 1 w, // CHON 98.1

Watson Lake: \*NS 90.5 10w, // CHON 98.1



• Ken Simon writes with information he found on the Internet regarding the 1997 "European FM Handbook". It will be available in mid-July 1997, from the same contact information as is listed in the 1996 book (Mr. Timo Leponiemi). I don't have that address, but more information could probably be gotten from Hannu Piirainen, at HPIIRAINEN@tne01.tele.nokia.fi



WJYY 7 Perley Street, P.O. Box 1923 Concord, New Hampshire 03302-1923 (603) 228-9036 FAX (603) 224-7280

## SATELLITE NEWS

A few changes to note before continuing with the satellite rundown.

First - ANIK C1 seems to still be very much alive - 2 feeds noted on 22 and 28 V - 12032.50 and 12122.50.

Telstar has this current early on-air line-up

- 10 - ID Channel
- 11 - Exxtasy VC2
- 12 - Venus VC2
- 14 - True Blue VC2
- 22 - ABC Los Angeles - color bars and test tones

I'm sure there will be much more to come on Telstar 5.

Add to Galaxy 3 - XPDR 23 - Three Angels

And now to continue with the transponder loading -  
Telstar 402R - 89 West - December 1, 1995 - C and KuBand  
12 years - C-Band 12 to 23 watts/KuBand 60 to 120 Watts  
Format - Odds - Vertical/Evens - Horizontal

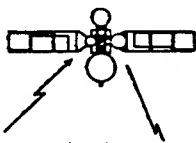
- 1 - Fox Network
- 2 -
- 3 - Exxxplore VC2
- 4 - Shop-At-Home
- 5 - Fox Network
- 6 - X-Channel VC2
- 7 - compression video
- 8 - ABC East L
- 9 -
- 10 -
- 11 - XXXcite TV VC2
- 13 - Fox Network
- 14 - ABC
- 15 -
- 16 - Eurotica VC2
- 17 - Fox Network
- 18 - PBS
- 19 - Exxtasy VC2
- 20 - Fox Network
- 21 - ABC L
- 22 - ABC
- 23 - Fox Network
- 24 - ABC

Ku-Band - Feeds and other uses - There will be a DT (Direct-To-Home) Satellite Service as well as feeds and teleconferences

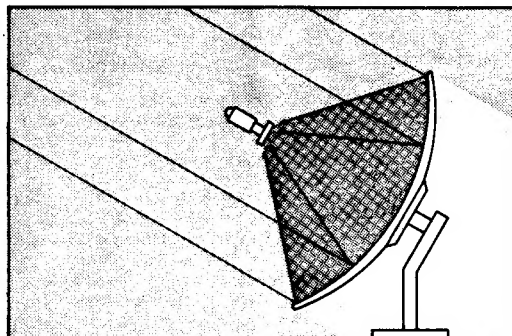
- SPACENET 3 - 87 West - 1988 (10 years) C and Ku Band
- 8.5 watts C band/16 watts - Ku Band -
- Format - Odds-Horizontal/Evens - Vertical
- 3 - WSBK - Ch 38 - Boston, Massachusetts - Warner Bros. VC2
- 5 - Univision VC2
- 9 - WPIX - Ch 11 - New York, New York Warner Bros VC2
- 11 - CNN SI - VC2 (proposed)
- 15 - KTLA - Ch 5 - Los Angeles, California Warner Bros VC2
- 16 - CNN International and Financial News VC2
- 19 - Fox Sports South VC2
- 21 - PASS - Pro-Am Sports VC2
- 22 - America's Collectibles Network
- 23 - Home Team Sports VC2
- 24 - America One

There is very little use of the Ku-Band - no regular users

That's it for this month - see you in 30.



GEORGE W. JENSEN  
4804 ANNTANA AVENUE  
BALTIMORE MD 21104-4230



## DTV Q&A & CHANNEL LIST

Doug Smith, TV News editor

Keith Smith in suburban Detroit wrote in with three DTV questions:

"I've noticed that most NTSC stations transmit in a radius of 30-50 miles. Will it be the same with DTV?"

That's what the FCC is trying to (and hopefully will) achieve. Each channel allocated in the table below also has an assigned power, intended to match the station's existing NTSC coverage. In most cases, they came within 5% or so of a perfect match, though a few stations will lose a substantial amount of coverage area. In all cases where coverage area is lost, it's because of interference - and the loss will go away when NTSC TV is shut down.

Also, a weak digital signal will still deliver a perfect picture and sound, up to the point when the signal becomes too weak for the receiver to decode. If you're currently in the fringe area for a NTSC station, and receive a picture that's stable and easily ID-able but has too much noise, snow, and/or CCI to be enjoyable viewing, you may well find that station to provide good quality service in DTV.

"The channel allocations for DTV in many cities are often right next to each other - in Miami, five channels are allocated next to each other. Does this mean that adjacent-channel interference will essentially disappear?"

Actually, as far as the FCC is concerned adjacent-channel interference is already a thing of the past, if the signals involved are of similar strength. After all, cable systems use all 12 VHF channels and adjacent channels in mid- and super-band without problems; the only difference is that every channel in the cable is of equal strength. In over-the-air DTV, adjacent channels can be assigned only if the transmitters are within 10km (if one of the stations involved is NTSC. The figure is 30km if both are DTV, because digital is less susceptible to "slopover".) In most markets, this condition is easily met: for example, in Miami all stations except WTVJ-6 and WCTD-35 have towers within a circle of about 3-5km. Again, DTV is less susceptible to "slopover" interference from adjacent channels too. While adjacent-channel interference won't totally disappear, (you shouldn't count on being able to DX channel 41 if you have a DTV on channel 42 in your town) it won't be nearly as bad as it is with NTSC.

"Will LPTVs be permitted in the DTV spectrum?"

Yes. LPTVs won't receive assigned DTV channels. They will, however, be permitted to switch to digital operation on their current channels. Since multiple-ownership regulations don't apply to LPTV, they can also buy another local LPTV and convert it to digital. Or, if additional channels are available in their area, they can apply for a totally new LPTV and operate it as a DTV station.

Joseph Martin (suburban Chicago, moving to California, good luck!) sent a *TV & Cable Factbook*, in which I discovered a list of experimental DTV stations and applications. This is the first place I've seen comprehensive technical information on these operations, so I thought it might be good to reproduce it here:

Los Angeles, CA	"KTLA-HD"-12	10KW/992m	34-13-36N/118-03-56W	APP
Washington, DC	WHD-TV 30	500KW/174m	38-56-24N/ 77-04-54W	LIC
(also has permit for channel 27, not on air; and application for channel 51. On WRC-4 tower.)				
New York, NY	WCBS-HD 33	327KW/397m	40-44-54N/ 73-59-10W	APP
(has since begun operation. Empire State Building, site of WCBS-2 backup antenna)				
Raleigh, NC	WRAL-HD 32	100KW/534m	35-40-35N/ 78-32-09W	LIC
Portland, OR	"KOPB-HD" 35	3.6KW/369m	45-31-22N/122-45-07W	APP
Arlington, VA	"WETA-HD" 34	5KW/122m	38-53-30N/ 77-07-55W	APP
(5217 19th Rd. North, Arlington - not used by any other TV station)				
Seattle, WA	"KCTS-HD" 18	675W/167m	47-36-58N/122-18-28W	APP

Unless otherwise noted, the antennas are on the stations' existing NTSC towers. Call letters in quotes have not been officially assigned by the FCC. WHD-TV is licensed to NBC, but is operated by a "Model HDTV Station Project" which seems to be a cooperative effort of the NAB. Again, these are experimental operations. As you'll note in this month's *TV News*, the FCC has begun accepting applications for regular commercial DTV operations. They seem to be using the "-DT" designator instead of "-HD".



<b>DTV Channel 59:</b>		Milwaukee Wi WVTU 18
Akron Oh WAKC 23		
Bethlehem Pa WBPB 60		
Bayamon Pr WDVL 36		
Charlestown Sc WCBD 2		
Greenville Sc WYFF 4		
Bryan Tx KBTX 3		
Appleton Wi WACY 32		
<b>DTV Channel 60:</b>		
L. A. Ca KCBS 2		
<b>DTV Channel 61:</b>		
Sacto. Ca KXTV 10		
S. Bdo. Ca KSCI 18		
Newark Nj WNET 13		
Arecibo Pr WMEI 60		
<b>DTV Channel 62:</b>		
Stockton Ca KFTL 64		
Allentown Pa WLVT 39		
Aguada Pr WQHA 50		
<b>DTV Channel 63:</b>		
Concord Ca KTNC 42		
Mayaguez Pr WTRA 16		
<b>DTV Channel 64:</b>		
Phila. Pa WFVI 6		
<b>DTV Channel 65:</b>		
L. A. Ca KTTV 11		
Naranjito Pr WECN 64		
<b>DTV Channel 66:</b>		
L. A. Ca KCOP 13		
Vineland Nj WHSP 65		
Ponce Pr WSTE 7		
<b>DTV Channel 67:</b>		
Phila. Pa WCAU 10		
Ponce Pr WTTN 14		
<b>DTV Channel 68:</b>		
L. A. Ca KTLA 5		
<b>DTV Channel 69:</b>		
Riverside Ca KRCA 62		
Aguadilla Pr WOLE 12		

## DTV Technical Standards:

Some channels between 14 and 20 are reserved for land-mobile operation; no co-channel DTV allocations will be allowed within 250km/155.3mi. of one of these, nor will adjacent-channel DTV allocations be allowed within 176km/109.4mi.

Approximately 10% of all assignments in the DTV tables are marked "c" in the original FCC table. These assignments are within 88km/54.7mi. of a lower-adjacent NTSC station. To reduce interference to the NTSC station, stations using these assignments must maintain their "pilot carrier" with 3Hz of the correct frequency. Nominally, the "correct" frequency is 332.138KHz above the bottom of the channel. However, if the NTSC station uses an offset, the upper-adjacent DTV station must use the same offset. (so a DTV station on channel 6 within 88km of a NTSC station on channel 5, zero offset, would operate its pilot on 82332.138KHz. If the NTSC station were on channel 5, minus offset, the channel 6 DTV station would operate its pilot on 82322.138KHz, and if the NTSC was on plus offset, the DTV would be on 82342.138KHz.) I would imagine this restriction would go away when NTSC is phased out.

The next step for DTV is for stations to apply for CPs for their new channels. Stations have a maximum of 6 years (in many cases, as few as 2-1/2 years) to begin DTV operation. As you'll see in this month's TV News, some applications have already been filed. WESH-11 Daytona Beach, Florida will go down in history as the first station to file an application for commercial DTV service. I do expect this table to be litigated: someone is bound to be unhappy with it! (LPTV interests are known to be unhappy with the entire DTV situation)

Each new channel has an associated maximum ERP, designed to duplicate as fully as possible the station's NTSC coverage. Stations with very low NTSC powers were assigned a minimum DTV power of 1KW, and full-power VHF operations assigned UHF channels (which would otherwise require more than 1000KW for equal coverage) were assigned a ceiling power of 1000KW. Should, in the future, new DTV channels be available for assignment, the power limits will be:

Channel	Max ERP, Zone I	Max ERP, Zones II/III	Max HAAT
2-6	10KW	45KW	305m
7-13	30KW	160KW	305m
14-59	1000KW	1000KW	365m

Specific formulas have been established in the rules for maximum powers for stations with antennas higher than 305m (zone I) or 610m (zones II/III).

LPTV regulations have also been changed. The LPTV power limit was 10 watts transmitter output (VHF) or 1000 watts transmitter output (UHF). The limits are now in effective radiated power (ERP), which considers antenna gain. Note that these changes apply to both DTV and NTSC operation of LPTV stations - in essence, the maximum power limit for LPTVs has been increased. The new limits are:

Channel	NTSC limit	DTV limit
2-13	3KW	300W
14-69	150KW	15KW

LPTV stations will be allowed to use "terrain shielding" to allow use of a channel that would otherwise be unavailable. (under the old rules, a LPTV station could not be licensed if it would generate interference within the predicted coverage area of a full-license station or older LPTV. This was the case even if a

mountain or other obstruction made it impossible to receive the full-license station/older LPTV in the interference area. Under the new rules, the obstruction can be considered in allocating channels.)

Also established were new minimum separations for future channel assignments. All unused allotments were deleted when the new tables were composed, but only operating stations were considered when making new allotments. This means some (probably quite a few) additional allotments are possible in more lightly-populated areas. Such additional allotments will be especially possible when NTSC is phased out.

### Minimum separations:

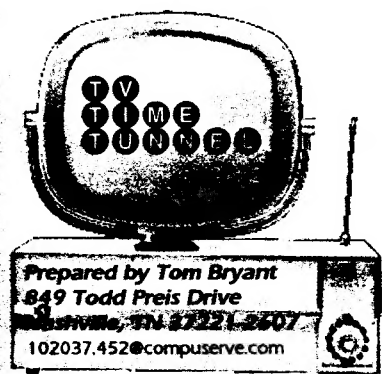
DTV co-channel	Zone I	VHF	244.6km/152mi.	UHF	196.3km/122mi.
	Zones 2/3	VHF	273.6km/170mi.	UHF	223.7km/139mi.
DTV to NTSC co-chan.	Zone I	VHF	244.6km/152mi.	UHF	217.3km/135mi.
	Zones 2/3	VHF	273.6km/170mi.	UHF	244.6km/152mi.
DTV adjacent channel	Zone I	VHF	no assignments between 40.2km/25mi. and 96.6km/60mi.		
		UHF	no assignments between 32.2km/20mi. and 88.5km/55mi.		
	Zones 2/3	VHF	no assignments between 48.3km/30mi. and 96.6km/60mi.		
DTV to NTSC adjacent	Zone I	UHF	same as Zone I		
		VHF	no assignments between 11.3km/7mi. and 114.3km/71mi.		
	Zones 2/3	UHF	no assignments between 9.7km/6mi. and 88.5km/55mi.		
		VHF	no assignments between 17.7km/11mi. and 146.4km/91mi.		
"Taboo" channels	Zone I	UHF	same as Zone I		
		UHF	no assignments between 24.1km/15mi. and 80.5km/50mi.		
"Taboo" channels	Zones 2/3	UHF	no assignments between 24.1km/15mi. and 96.6km/60mi.		
LPTV 7 channels	All zones	UHF	100km/62.1mi. above NTSC		
LPTV within 2/3/4 channels of NTSC	All zones	UHF	32km/19.9mi.		

Adjacent and "taboo" channel spacings are based on a "dead zone". For example, channels 52 and 53 could both be used in Birmingham, Alabama (Zone 2) if the towers are less than 20 miles apart. They could also be used if the towers are more than 55 miles apart.

The 100km spacing for a LPTV 7 channels above a NTSC can be waived if the full-license NTSC station is not "regularly viewed" in the LPTV's service area. And the 32km spacing for LPTVs within 4 channels of a NTSC operation doesn't apply if the LPTV uses 50KW or less of ERP. (most LPTVs do use less than 50KW ERP) These restrictions are due to NTSC receiver shortcomings - see "taboo" channels below.

"Taboo" channels are those 2, 3, 4, 7, or 8 channels either side of an analog channel, or those 14 or 15 channels above an analog channel. These channels are likely to cause interference in NTSC receivers because of common design shortcomings in these receivers. "Taboo" channels cannot happen at VHF, and it's apparently assumed improved receiver design will prevent them from becoming a problem with DTV receivers.





(the rest of)  
**THE KCIX-TV  
 STORY**

(written by Frank Aden, Jr. N7SOK; Boise, ID)

For those people who have been living in Southwest Idaho for the last 20 years the thought of not having an ABC affiliated TV station would never cross their mind but for the first 21 years of TV broadcasting in the area, that was exactly the case.

When TV made its' debut in the area in June of 1953, first with KFXD-TV, ch. 6, Nampa, then with KIDO-TV, ch. 7, Boise, (now KTVB) it initially seemed that the market would have facilities for all three networks.

KFXD-TV, unable to get the ABC contract, failed (financially) after only a few weeks of broadcasting, leaving KTVB the only station in the area until Nov., when KBOI-TV, ch. 2, Meridian (re-licensed to Boise in Jan 1955), (now KBCI) came on the air.

KIDO initially broadcast programs from all four networks, NBC, ABC, CBS and Dumont but was signed as a NBC primary station. KBOI-TV had the CBS primary contract. Beginning in Nov. 1953 ABC was seen on a secondary basis on KIDO-TV with a few shows also running on KBOI-TV. KGEM-TV ch. 9, Boise, (may have planned to use KTVI) was expected to get the ABC contract when it began operation

in the fall of 1954 but financial problems never allowed the station to be 'born'.

In March of 1958, things were looking up. Hagadone Broadcasting Co. announced they had received a construction permit for a new ch. 6 to be licensed to Nampa. The March 30th, *IDAHO STATESMAN* reported the new station would be on the air in June and negotiations were in progress with a major network (ABC was the only possibility). The article said the station would have a signal radius of about 65 miles.

An interesting twist to all this is the fact that Hagadone Broadcasting had put AM radio station KYME 740 on the air in Boise in 1955 after Roger Hagadone had left the position of General Manager of KJRL Radio in Pocatello. KJRL had an application for ch. 6 in Pocatello in 1953-54 but never did anything with it. Hagadone sold KYME at about the same time he applied for ch. 6 in Nampa. Many of the people associated with KYME moved over to KCIX-TV.

Hagadone Broadcasting had contracted with KFXD radio (sound familiar? KFXD-TV in 1953) to use the top of one of their AM broadcast towers for the new station's antenna. Studio space was also contracted from KFXD in their transmitter building. A business office was established in downtown Boise at 315 N. 8th St.

The KFXD transmitter site, which is still in use today for KFXD-AM, is a few miles south of Meridian. KFXD has four towers, two self-supporting and two guyed. In the late 1940's and early 1950's, KFXD had also operated a FM station from the site and had added a pole extension to the top of one of the self-supporting towers for the FM antenna elements. Hagadone Broadcasting was able to use this 'pole' for their ch. 6 antenna elements. The HAAT was 340ft and the tower itself, 315ft above ground.

In a recent talk with one of the former owners of KFXD (during the 1960's) it was mentioned that some or most of the studio equipment used by KCIX-TV was left over from KFXD-TV.

On Nov. 9, 1959, KCIX-TV came on the air, 5 months later than originally planned. The station's power was only 8.32kw video and 4.17kw audio. The station signed on at 4pm with a program called "Your TV Theater". A dedication program with Gov. Smylie ran at 7:30 pm. Large advertisements appeared in both the Nampa and Boise newspapers announcing

"A new look for Idaho Television". There was no mention of any network programming being planned. The low power and poor transmitter location probably made the station of little interest to ABC and would eventually lead to its downfall.

KIDO-TV and KBOI-TV both had high powered transmitters located on Deer Point, 16 miles NW of Boise with an HAAT of over 2500ft. Most people living in the Boise Valley found they needed only rabbits ears to get a good signal from the two stations. Those who did have out door antennas in the area had them pointed toward Deer Point and for most this was the wrong direction for receiving KCIX-TV.

I remember as a small child trying to watch KCIX-TV at my parents house which was about 12 miles from the KCIX-TV transmitter site. Having only rabbit ears, I was never able to get a watchable signal. The only time I remember being able to see the station clearly was when visiting relatives in the southern part of Nampa, a few miles east of the transmitter site.

KCIX-TV's program lineup was not of the quality of the other stations, running mostly old syndicated half-hour shows with some limited local news. Starting at either 7:00 pm or 8:00 pm they ran two movies. The second movie then being run as the first movie the next day! In addition, while the competitors were signing on around noon, KCIX didn't being programming until 4 pm.

On August 16th, 1959, Hagadone Broadcasting made a statement to the public that the station was being sold to or merged with KTLE ch. 6 in Pocatello which had first come on the air earlier that year. KCIX-TV also made a statement they were reducing programming to 2-3 hours a day. A caption appeared under the station's program listings in the local newspapers stating "minimum schedule only", pending approval of increased power and change of tower location". It was apparent they were planning to install a new, more powerful transmitter on Deer Point.

The merger/sale never occurred and there never was any explanation for the failed deal. On Jan. 4th, 1960, the station left the air forever with authorization from the FCC to suspend operation from Jan. 18, 1960 to Sept. 1, 1961. There was no explanation in any of the local papers as to why they were off.

One of the more interesting parts of the KCIX-TV story is about its transmitter.

It all started with KSL-TV in Salt Lake City UT which was originally on ch. 3. When KID-TV, ch. 3, came on the air in Idaho Falls in Dec. 1953, KSL wanted to move to another channel to avoid the interference it was getting in its northern fringe areas due to KID-TV. They were also reported to have cut a good deal on a higher powered ch. 5 transmitter (which they did obtain when they got approval to move to ch. 5 sometime in the mid 1950's). Hagadone Broadcasting bought KSL-TV's old ch. 3 transmitter and converted it to ch. 6; and it became the KCIX-TV transmitter. When KCIX-TV went off the air in Jan. 1960, KBOI bought the transmitter and converted it for FM radio broadcast. This was completed in the fall of 1960 and KBOI-FM signed on in November.

Around 1975, Bill Frahm, now CE at KBOI-AM and KQFC (ex-KBOI-FM) showed me the ex-KSL-TV ch. 3/ex-KCIX-TV transmitter which was still at the transmitter site on Deer Point where it had been installed in Nov. 1960 for KBOI-FM. It still had a "KSL ch. 3" logo on the side! No one at either KCIX-TV or KBOI had ever attempted to remove it. Even though it was peeling off I was fortunate to be able to take a photograph of it. The transmitter was replaced that year and eventually parted out.

You might think you've heard the last of KCIX...but...not so! This call sign seems to have more lives than a cat.

In Jan. 1985, 105.9, Boise (licensed to Garden City), returned the call letters to the Boise Valley in the form of KCIX-FM. Oddly enough, the owners of KCIX-FM were unaware that the call had been used in the area before and were quite surprised to learn so!

**EDITOR'S NOTE:** Frank Aden is undoubtedly the foremost authority on Idaho broadcast history, and is well known for his research efforts on topics such as the KCIX story. I regret that portions of his article had to be deleted due to space limitations. As noted in a previous "TIME TUNNEL" article on KCIX, the saga of channel 6 in Nampa/Boise is one of the most intriguing in U.S. television history...it's also one of the most confusing!

**NEXT MONTH:** Circular test pattern pics courtesy of Jeff Kadet.

August 1997

Here's the last of the latest batch of photos from Danny Oglethorpe, Shreveport, LA:



KTUL-8 Tulsa, OK  
288 mi Tr seen 10/2/96  
@0030 CT



XHI-2 Cd. Obregon, SON  
1026 mi Es seen 4/23/96  
@1130 CT  
"Televisora del Yaqui"



XHFM-2 Veracruz, VER  
1243 mi Es seen 12/11/96  
@1530 CT  
"Canal 2 Christmas ID"

And here's one more from Frank Aden, Jr., Boise, ID:



KACB-3 San Angelo, TX  
1185 mi Es seen 6/4/96  
@1843 MDT  
satellite of KRBC-9

Now, here's some channel 4 logos which I forgot to print last month. See if you can guess where they're from! (Hint: if you think you've gotten them by E-skip, you've got quite a touch!) Answers at bottom.



And more logos from the Web, thanks to Chip Kelley's DX website, USA TV Online, a very valuable resource!



1.) TV 4 Sweden; 2.) Ch. 4 England; 3.) WAPA San Juan, PR

73's, Jeff

# Southern FM DX

John Zondio  
4009 Driftwood Circle  
Yukon, OK 73099  
E-mail: Jpzondio@aol.com  
Deadline: 10th

August 1997

For DXers in: AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT, WV, and Mexico

**Gus Mancuso** - 5615 Inwood St. - Hyattsville, MD  
**20785-1120 EDT**  
Pioneer SX-40 w/"Tim McVey" filters, and plain Radio Shack rabbit ears

**6/29 Es**  
1903 KBEZ 92.9 OK Tulsa, 8th skip & 14th overall this frequency  
1923 KNID 96.9 OK Enid  
1942 KRPS 89.9 KS Pittsburg, null on WOEL  
1949 KWFC 89.1 MO Springfield  
1950 KOSU 91.7 OK Stillwater, heeey Danny!  
1959 KFXI 92.1 OK Marlow

First skip in 4 years. Did not get home from work until 1900.

**Fernando Garcia** - San Salvador 415 - Rincol de la Sierra - Ciudad Guadalupe, Nuevo Leon 67181  
**Mexico - fergamex@infosel.net.mx CDT**

**6/18 Es**  
1445 WCMQ 93.2 FL Hialeah, SS, "La Nueva Classica 92"  
1450 WOLZ 95.3 FL Fort Myers, "Oldies 95"  
1455 WARO 94.5 FL Naples, "Arrow 94.5"  
1500 WRMB 89.3 FL Boynton Beach, calls  
1830 WMBW 88.9 TN Chattanooga, city mentions  
**6/23 Es**  
1500 KLPX 96.1 AZ Tucson, calls  
1500 KKLZ 96.3 NV Las Vegas, "Classic Rock 96"  
1500 KLUC 98.5 NV Las Vegas, calls, city mention  
1500 KSLX 100.7 AZ Scottsdale, classic rock  
1500 KNIX 102.5 AZ Phoenix, calls  
1520 KSNE 106.5 NV Las Vegas, "Sunny 106.5"  
**6/24 Es**  
1815 KHNE 89.1 NE Hastings, NE Public Radio  
1915 KTGL 92.9 NE Beatrice, "The Eagle"  
**7/3 Tr**  
0800 KTBT 93.7 LA New Iberia, "The Beat"  
0800 KRVS 88.7 LA Lafayette, full ID  
**7/11 Tr**  
0730 KSCS 96.3 TX Fort Worth, wx

**Doug Smith** - W9WI - 1385 Old Clarksville Pike - Pleasant View, TN 37146-8098 - 72777.3143@compuserve.com CDT  
Technics St-G50 tuner, big Radio Shack VHF-TV antenna at 15'

**6/2 Es**  
1023 CKKL 91.1 MB Winnipeg, FF AC & CHR mx, no announcements  
1023 CJKR 97.5 MB Winnipeg, op's, "Power 97"  
1023 CBW 98.3 MB Winnipeg, c  
1025 CFWM 99.9 MB Winnipeg, local wx 1060  
**6/7 Es**  
1200 unID 90.9 Mexico, brief & weak opening  
**20 W**  
WCBF 102.1 KY Clinton, legal ID and 70's oldies

in stereo, new to air 97  
**6/9 Es**  
1400 KTXB 89.7 TX Beaumont, legal ID and Family Radio talk 579  
1406 XH27 92.3 TM Rio Bravo, R. Tamaulipas ID for Ciudad Victoria, but the bmt is really in Rio Bravo per FM Atlas and Fernando Garcia 1000  
1406 KKBA 92.7 TX Kingsville, "Bay FM" with Corpus Christi talk, previously logged as KNGV, still here not 92.5 879  
1406 KIWW 96.1 TX Harlingen, calls & local talk 948  
1416 KETX 97.5 TX Kingsville, call ID 856  
1416 KKPS 99.5 TX Brownsville, calls, "Que Pasa 99.5" 952  
1416 unID 88.3 "R. Mariental" in SS, sounded religious  
1429 KJIC 90.5 TX Santa Fe, calls, Houston wx 680  
1500 XHMZ 91.1 CL Mondovio, local ad 1032  
**6/14 Tr**  
1100 WILL 90.9 IL Urbana, calls, local events 266  
**6/20 Tr**  
0115 unID 94.3 "The Vision," r  
0124 KPNT 105.7 MO St Genevieve, "The Point" 230  
0124 WIL 92.3 MO St. Louis, calls 232  
0141 WBGL 91.7 IL Champaign, calls 265  
0743 unID 92.7 "Star 92-7", CHR  
**6/25 Es**  
1035 KINT 93.9 TX El Paso, local ad 1151  
**6/26 Tr**  
1000 KUMR 88.5 MO Rolla, legal ID w/K242AN 96.3 273  
**6/29 Es**  
1956 KBNL 89.9 TX Laredo, call ID in classical mx pgm (but religious talk between selections) 936  
2000 KJIBZ 92.7 TX Laredo, full legal ID & slogan as "Tejano 93" 950  
**7/1 Es**  
1231 KOFX 92.3 TX El Paso, oldies  
**7/1 Tr**  
2332 KRPS 89.9 KS Pittsburg, legal ID w/102.7 bdr in Bartlesville OK 432  
**7/2 Tr**  
0036 KURB 98.5 AR Little Rock, "Little Rock's B-98.5" 323  
0100 WAJS 90.9 MS Tupelo, call ID in pgm of rel heavy metal 161  
0131 WYAN 103.9 IL Ava, call ID, "Solid Gospel 103.9" //local 104.9/105.1 166  
0615 KMVK 106.7 AR Benton, "106.7 The Maverick" & Little Rock talk 333  
0617 WHHM 107.7 TN Henderson, local ads 108  
0631 KIPR 92.3 AR Pine Bluff, "Power 92" 318  
0639 KQPT 94.1 AR Little Rock, "The Point 94.1" 323  
0656 KMAG 99.1 AR Fort Smith, legal ID and "Arkansas Weather" 379  
0656 KTCS 99.9 AR Fort Smith, local news, xmtr in Oklahoma 435

## Southern FM DX

Smith continued  
June 9 was the only decent skip opening, and July 2 the only decent tropo of the year. 73, Doug

**John Jefferson** - 4104 Spyglass Ct. - Antioch, CA 94509-6051 PDT  
McIntosh MR-80 (digital display w/analog tuning), APS-14 antenna (the 196" baby bird perch, as Stereo Review called it) @ 30' off the ground, Channel Master rotor.

There really is a skip season this year. I actually logged something new on 7/1. Not one new logging via skip in May and June combined! Ouch!

**6/1 Es**  
1550 KYOT 95.5 AZ Phoenix, smooth jazz, calls 629  
1559 KNAL 88.3 AZ Phoenix, SS, ID 629  
**7/1 Es**  
1956 KNOX 94.7 ND Grand Forks, k, calls 1427  
2015 KNTN 97.1 ?? "Hit Country"  
2019 KQZZ 96.7 ND Devils Lake, ND wx, "Q-97" 1350  
2023 KNTN 102.7 MN Thief River Falls, mono rx

Is that pathetic, or what? At least KQZZ was a nice catch. Prior best on 96.7 here in Antioch was Fowler CA @ 147 miles.

**Pat Dyer** - WA5IYX - 5315 Silvertip Dr. - San Antonio, TX 78228-2744 - pjdyer3@juno.com CDT  
Realistic TM-1001 tuner (2 IF mod w/150 kHz filters) into Allied 426, 52 ohm step-attenuator box used to reduce local intermod/overload when needed, 6 element Archer antenna at 20' with rotor, some aero navays with Narco Omnigator VTR-2A (1950's tube item)

**5/31 Es**  
1857 WBTU 93.3 IN Kendallville, k, ID 1113  
**6/1 Es**  
1139 WDOG 93.5 SC Allendale, ID, "Jamz 93" 1048  
1424 KMCM 92.5 MT Miles City, ID 1231  
1455 KAML 96.9 WY Gillette, o, ID 1092  
1502 WJLY 92.5 IA Ankeny, ID 885  
1504 KRAQ 105.7 MN Jackson, ID 998  
1506 KVHT 106.3 SD Vermillion, area baseball game 940  
1507 KCRQ 102.3 MN Detroit Lakes, "Cool Country" 1208  
1512 KELO 92.5 SD Sioux Falls, ID 978  
1514 KITN 93.5 MN Worthington, ID 987  
1519 KSEZ 97.9 IA Sioux City, "Z-98" 909  
1619 KPLO 94.5 SD Reliance, area ads 1003  
1646 KBYZ 96.5 ND Bismarck, ID, "The Fox" 1189  
1649 KQDY 94.5 ND Bismarck, "KQ-94," area ad 1213  
1724 KJJK 96.5 MN Fergus Falls, "KJ Country" 1168  
**6/2 Es**  
1428 KPFK 90.7 CA Los Angeles, ID, pledge drive 1188  
1430 KFAC 88.7 CA Santa Barbara, cx, net ID 1281  
1431 KFOX 93.5 CA Redondo Beach, Korean 1199

## August 1997

1438 KHAY 100.7 CA Ventura, area ad 1260  
1513 KLOS 95.5 CA Los Angeles, ID 1197  
1519 KPWR 105.9 CA Los Angeles, area ad 1187  
1527 KCBS 93.1 CA Los Angeles, "Arrow 93" 1281  
1531 KKBK 92.3 CA Los Angeles, rap, ID, "The Beat" 1187  
**6/4 Es**  
1021 WZWZ 92.5 IN Kokomo, "Z-92.5" ID, area ads 1034  
1023 CIMX 88.7 ON Windsor, "89-X," rk 1235  
1026 WVLS 92.5 OH Toledo, "Kiss FM" 1183  
1814 WTQR 104.1 NC Winston-Salem, k, ID 1157  
1815 WESC 92.5 SC Greenville, ID 1011  
**6/5 Es**  
2128 KTHQ 92.5 AZ Eager, ID 724  
**6/6 Tr**  
1035 XHRK 95.7 NL Monterrey, local ad 284  
**6/6 Es**  
1324 XHNS 96.9 GR Acapulco, full ID 870  
**6/7 Es**  
1321 KBGO 93.1 NV Las Vegas, local ad 1079  
1325 KVMM 93.5 AZ Show Low, area/local ads 747  
1327 KTHQ 92.5 AZ Eager, area ads 724  
**6/7 Tr**  
1338 KODM 97.9 TX Odessa, ID 267  
**6/9 Es**  
1131 WSKX 92.3 GA Hinesville, ID 1034  
1140 WBBX 104.1 GA Reidsville, area ads 993  
1142 ICKF 108.9 GA Cordele, Crisp Co. Apt. localizer 899  
1146 WGRZ 104.9 SC Ridgeland, "the Gator" 1066  
1149 WAXM 97.7 SC Georgetown, ID, "Mix 97" 1184  
1150 WRNN 94.5 SC Murrells Inlet, Limbaugh 1184  
1152 WYAV 104.1 SC Conway, "The Wave" 1184  
1153 WTUA 106.1 SC St. Stephen, area obits 1135  
1157 WYBD 95.7 SC Bamberg, ID, Limbaugh 1065  
1157 WXTX 96.9 SC Charleston, city ID 1140  
1159 WHLZ 92.5 SC Manning, "Wheels" 1130  
1201 WNMB 105.9 SC North Myrtle Beach, "B-105.9" 1206  
1204 WDOG 93.5 SC Allendale, area ads 1048  
1210 WNML 96.5 GA Gray, area sports promos 906  
1210 WAAN 97.9 SC Blackville, area wx 1055  
1215 WJZF 104.1 GA LaGrange, "Jazz Flavors," ID 855  
1216 WSB 98.5 GA Atlanta, "B-98.5" 889  
1220 WJMX 103.3 SC Cheraw, area ads, "103-X" 1147  
1227 WKRR 92.3 NC Asheville, area PSA 1174  
1231 WXRK 94.5 NC Eden, area wx 1181  
1233 WGST 105.7 GA Canton, Limbaugh 887  
1238 WTPY 93.3 NC Forest City, ID 1034  
1240 WFMX 105.7 NC Statesville, area ads 1128  
1246 WTQR 104.1 NC Winston-Salem, k, ID 1157  
1247 WKLR 96.5 VA Williamsburg, area ads 1360  
1249 WTVR 98.1 VA Richmond, local ads, "Lite 98" 1335  
1249 WTRD 96.9 NC Statesville, ID 1117  
1302 WTFM 98.5 TN Kingsport, local ad 1046  
1306 WKOM 105.9 AL Winfield, ID, "Gold 106" 708  
1311 WAKG 103.1 VA Danville, ID 1217  
1320 WSLQ 99.1 VA Roanoke, area/local ads 1188  
1325 WXBQ 96.9 TN Bristol, ID 1067  
1325 WPVR 94.9 VA Roanoke, "The Arrow" 1188  
1327 WRON 97.7 WV Roncove, area PSA 1186  
1331 WAXM 93.5 VA Big Stone Gap, ID 1042  
1333 WXCX 96.5 WV Williamson, ID 1095  
1336 WQHY 95.5 KY Prestonsburg, area ad 1072  
1342 WJDJ 93.9 KY Burnside, "DJ-94" 972  
1346 WBES 94.5 WV Dunbar, ID 1145  
1355 WGKS 96.9 KY Paris, area ads, "Kiss FM"

# Southern FM DX

Dyer continued

1358 WAIN 93.5 KY Columbia, ID 931  
 1523 WNCI 97.9 OH Columbus, area ads, ID 1142  
 1526 WCLR 95.7 OH Piqua, o, "Cool 95" 1097  
**6/10 Es**  
 0848 WVKK 92.3 FL Orlando, local ad 1058  
 0950 WCFB 94.5 FL Daytona Beach, "Star 94.5" 1033  
 0954 WOGK 93.7 FL Ocala, local ad 994  
 0956 WOCL 105.9 FL DeLand, "Cool 105.9" 1042  
 0958 WTRS 102.3 FL Dunnellon, ID 975  
 1002 WFKS 99.9 FL Boca Raton, "Kiss" 1038  
 1005 WTKS 104.1 FL Cocoa Beach, "Real Radio" 1059  
 1034 WDOG 93.5 SC Allendale, local rx 1048  
 1117 WJCP 92.7 IN Austin, ID 975  
 1119 WTTT 92.6 IN Bloomington, local ads, ID 986  
 1120 WHRZ 97.7 KY Providence, ID 839  
 1121 WCLR 95.7 OH Piqua, "Cool 95" 1097  
 1121 WOFX 92.5 OH Fairfield, "The Fox" 1045  
 1122 WVAE 94.9 OH Cincinnati, j, local ad 1045  
 1125 WOXY 97.7 OH Oxford, local ad 1046  
 1125 WLQT 99.9 OH Kettering, area PSA, "Lite 99.9" 1082  
 1128 WNTC 93.5 IN Chandler, area ad 874  
 1130 WPAY 104.1 IN Portsmouth, ID 1095  
 1132 WYGS 96.5 OH Hamilton, area PSAs 1060  
 1137 WSLM 97.9 IN Salem, area ad 951  
**6/18 Es**  
 0754 WVKK 92.3 FL Orlando, area ad 1058  
 1822 WARO 94.5 FL Naples, area ads, "Arrow" 1052  
 1823 WINK 96.9 FL Fort Myers, ID 1041  
**6/19 Es**  
 1511 WXBQ 96.9 TN Bristol, ID 1067  
 1511 WXLK 92.3 VA Roanoke, "K-92" 1188  
 1515 WPFB 105.9 OH Middletown, area ads, "The Rebel" 1065  
 1518 WLET 106.1 GA Toccoa, "Mix 106" 955  
 1523 WQIO 93.7 OH Mt. Vernon, traffic rpt, "93-Q" 1184  
 1527 WZJM 92.3 OH Cleveland Heights, area ad 1265  
 1531 WHLZ 92.5 SC Manning, area ad 1130  
 1535 WHKN 94.9 GA Millen, k, ID 1014  
 1537 WZTR 95.7 WI Milwaukee, ID 1111  
 1538 WCLR 95.7 OH Piqua, area ads, "Cool 95" 1097  
 1552 WAZY 96.5 IN Lafayette, ID 994  
 1554 WKHY 93.5 IN Lafayette, "KHY" 1000  
**6/22 Es**  
 2004 WKCL 91.5 SC Ladson, area wx 1119  
**6/23 Es**  
 0930 KFOX 93.5 CA Redondo Beach, Korean 1199  
 0941 KLIK 93.5 CA Rosamond, area ad 1208  
 0943 KBZT 94.9 CA San Diego, "K-Best" 1126  
 0945 KAYS 97.7 CA Mojave, area ad 1204  
 0947 KZIQ 92.7 CA Ridgecrest, ID 1186  
 0950 KCLB 93.7 CA Coachella, state ad 1078  
 0951 KLOS 95.5 CA Los Angeles, traffic 1187  
 0955 XETRA 91.1 BCN Tijuana, ID 1110  
 1000 XHRM 92.5 BCN Tijuana, area ads, "The Flash" 1110  
 1001 KHWY 98.9 CA Essex, ID 1032  
 1008 XHITZ 90.3 BCN Tijuana, "Jammin' Z" 1114  
 1014 KOXZ 95.9 CA Barstow, area ad 1142  
 1021 KCBS 93.1 CA Los Angeles, "Arrow 93" 1118  
 1021 KOOL 94.5 AZ Phoenix, "Cool 94.5" 837  
 1023 KYSR 98.7 CA Los Angeles, "Star 98.7" 1204

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1026 KKGO 105.1 CA Los Angeles, area ad 1188  
 1028 KFSG 96.3 CA Los Angeles, traffic 1193  
 1032 KLAX 97.9 CA Long Beach, SS, area ads 1202  
 1044 KYCY 93.3 CA San Francisco, k, area ads 1464  
 1050 KMCG 95.7 CA Carlsbad, "Magic 95.7" 1126  
 1051 KWNR 95.5 NV Henderson, k, area ad 1054  
 1057 KHTS 93.3 CA El Cajon, area ads, "Channel 933" 1107  
 1104 XHAP 93.5 BCN Tecate, ID, "Estereo Hits" 1089  
 1112 KYXY 96.5 CA San Diego, "Kixy" 1126  
 1115 XHMOE 90.7 BCN Mexicali, local ad 1021  
 1117 KFMB 100.7 CA San Diego, "Star 100.7" 1126  
 1132 XHMMF 92.3 BCN Mexicali, local ad 1022  
 1138 XHJC 91.5 BCN Mexicali, local ad 1021  
 1242 KBGO 93.1 NV Las Vegas, "Big Oldies" 1079  
 1253 XHMY 93.9 SO Hermosillo, city ID 745  
 1255 XHHE 94.7 SO Hermosillo, "Radio Sonora" 745  
 1302 XZZZ 92.3 SO Hermosillo, city ID 745  
 1323 XHFL 90.5 SO Ciudad Obregon, city ID 710  
 1354 XHHZ 90.7 SO Hermosillo, city ID 745  
 1359 KCMJ 92.7 CA Indio, "Arrow 92.7" 1078  
 1401 KTVW 94.7 CA Los Angeles, area ad 1187  
 1422 XHBA 104.1 BCN Mexicali, cx 1020  
 1425 XHSU 105.9 BCN Mexicali, "Baja" 1021  
 1427 KKLQ 106.5 CA San Diego, local ad 1115  
 1428 KTTI 95.1 AZ Yuma, k, local ad 957  
 1431 KMWZ 94.5 CA Brawley, area ad 1027  
 1433 KMXZ 94.9 AZ Tucson, "Mix 94.9" 757  
 1433 KRQQ 93.7 AZ Tucson, state ad 757  
 1433 KJOK 93.1 AZ Yuma, local ad 975  
 1500 KGMX 106.3 CA Lancaster  
 1501 KDUQ 105.7 CA Ludlow, traffic 1089  
 1504 KUDC 94.3 CA Barstow, //KDUQ 1142  
 1511 KLUK 107.9 NV Laughlin, local ad 997  
 1515 XHSLR 107.9 SO San Luis Rios Colorado, local ad 979  
 1520 KVBC 105.1 NV Las Vegas, traffic 1080  
 1522 KEZN 103.1 CA Palm Desert, area psa 1091  
 1522 KVVO 103.1 CA Victorville, area ad 1148  
 1524 KOLA 99.9 CA San Bernardino, area ads, ID 1140  
 1548 KRCY 105.9 AZ Kingman, "Crazy" 997  
 1550 KJUL 104.3 NV North Las Vegas, "Jewel" 1079  
 1553 KOMP 92.3 NV Las Vegas, local ads 1079  
 1557 KLUC 98.5 NV Las Vegas, local ad 1054  
 1607 KZHK 95.9 UT St. George, "The Hawk" 1000  
 1614 KSNM 93.5 UT St. George, "Sunny 93.5" 1012  
 1621 KSSD 92.5 UT Cedar City, area ad 1020  
 1634 KBRE 94.9 UT Cedar City, ID 1011  
**6/23 Tr**  
 1648 KODM 97.9 TX Odessa, ID 267  
**6/24 Es**  
 1526 WVKK 92.3 FL Orlando, local ad 1058  
 1529 WMFE 90.7 FL Orlando, ID 1058  
 1720 KRAI 93.7 CO Craig, town ID 921  
 1720 KZBQ 93.7 ID Pocatello, ID 1205  
 1723 KLZY 92.5 WY Powell, "Z-92" 1189  
 1732 KTAG 97.9 WY Cody, ID 1189  
 1736 KMTN 96.9 WY Jackson, area rx 1177  
 1743 KYCS 95.1 WY Rock Springs, area/local ad 1026  
 1813 KQSW 96.5 WY Rock Springs, k, "Q-96" 1015  
 1824 KSPN 97.7 CO Aspen, ID 830  
 1824 KSLV 95.3 CO Monte Vista, ID 710  
 1852 KHIH 95.7 CO Denver, local ad 803  
 1855 KVOD 92.5 CO Greeley, cx 817  
 1857 KGMV 92.5 ID Rupert, area ID 1220

# Southern FM DX

Dyer continued

**6/25 Es**  
 0859 KELO 92.5 SD Sioux Falls, ID 978  
 0913 KRGI 96.5 NE Grand Island, ID 788  
 0921 KVOD 92.5 CO Greeley, cx 817  
 0927 KUWK 91.9 WY Laramie, net ID 904  
 0931 KMGW 94.5 WY Casper, "Star 94" 1012  
 0935 KHHI 95.7 CO Denver, "K-High" 803  
 0935 KCCY 96.9 CO Pueblo, area ad 734  
 0940 KXPK 96.5 CO Evergreen, "The Peak" 817  
 0950 KYGO 98.5 CO Denver, ID 807  
 1000 KUWZ 90.5 CO Rock Springs, net ID 1026  
 1239 KZHT 94.9 UT Provo, area ad 1061  
 1244 KUBL 93.9 UT Salt Lake City, "K-Bull" 1089  
 1246 WCVS 96.7 IL Virden, ID 862  
 1247 KBZN 97.9 UT Ogden, area ad 1089  
 1248 KBEE 98.7 UT Salt Lake City, "B-98.7" 1085  
 1248 KSOP 104.3 UT Salt Lake City, ID 1089  
 1253 KSOS 106.9 UT Brigham City, ID 1125  
 1255 KKMV 92.5 ID Rupert, area ad 1220  
 1257 KJYE 92.3 CO Grand Junction, ID, huge xtr list 880  
 1259 KYFO 95.5 UT Ogden, ID, rel 1118  
 1301 KEKB 99.9 CO Fruita, ID 880  
 1307 KVFM 94.5 UT Logan, "The Fox" 1138  
 1311 KPKY 94.9 ID Pocatello, area ad 1206  
 1319 KZBQ 93.7 ID Pocatello, area/local ads 1205  
 1320 KQSW 96.5 WY Rock Springs, local ad 1015  
 1334 KRAI 93.7 CO Craig, ID 921  
 1337 KMTN 96.9 WY Jackson, ID 1177  
 1339 WKLQ 94.5 MI Holland, "KLQ" 1160  
 1347 WDEK 92.5 IL DeKalb, local ad, ID 1018  
 1353 WZTR 95.7 WI Milwaukee, ID 1111  
 1926 KBYZ 96.5 ND Bismarck, "The Fox" 1189  
 1927 KQDY 94.5 ND Bismarck, "KQ-Country" 1213  
 1929 KQSD 91.9 SD Lowry, SD net ID 1095  
 1958 KCGM 95.7 MT Scooby, area ads, ID 1383  
 2004 KVCK 92.7 MT Wolf Point, ID 1347  
 2016 KDZN 96.5 MT Glendive, area ad 1262  
**6/26 Es**  
 1832 WYGY 96.5 OH Hamilton, k, "Y-96" 1060  
 1838 WCOL 92.3 OH Columbus, ID 1141  
 1839 WCLV 95.5 OH Cleveland, cx 1265  
 1839 WQMX 94.9 OH Medina, ID 1245  
 1848 HNB 109.2 IN Huntington, VOR 900  
 1912 WNCI 97.9 OH Columbus, ID 1142  
 1920 WCLR 95.7 OH Piqua, area ads 1097  
 1921 WZJM 92.3 OH Cleveland Heights, "Jammin' 92.3" 1265  
**6/27 Tr**  
 1018 XHSRO 92.5 NL Monterrey, "Stereo Rey" 284  
**6/28 Es**  
 1102 WQPW 95.7 GA Valdosta, area ad, "FM 96" 929  
 1109 WNFH 94.3 FL Lake City, local ad 943  
 1110 WNDT 92.5 FL Alachua, "Wind FM," area towns 973  
 1844 WZQQ 97.9 KY Hyden, ID 1038  
 1900 WYGE 92.3 KY London, area ads 995  
 1907 WXCC 96.5 WV Williamson, PSA, "Coal Country" 1095  
 1910 WBTQ 93.5 WV Buckhannon, ID 1236  
 1911 WSEK 97.1 KY Somerset, area ad 960  
 1912 WSPV 98.9 KY Paintsville, state ID 1073  
 1916 WBES 94.5 WV Dunbar, ID 1145

The ICKF item had been often-logged since 1994, but it was never located. A searchable database was found at <http://www.aimav.com/> which has info on US airports and their navids (VOR, ILS,

# August 1997

NDB). June FM Es levels definitely down from some recent years here. 73, Pat - WA5IYX

John Zondlo - 4009 Driftwood Circle - Yukon, OK 73099 - [jzondlo@aol.com](mailto:jzondlo@aol.com) CDT all new Akai AT-VO4 tuner (IF mod w/2 180 kHz filters), CM Stereo Probe 9 antenna

**5/18 Tr**

0130 K202BY 88.3 OK Enid, KEAR txtr  
 0206 KMAJ 107.7 KS Topeka, "Majic 108," local KRXX running on exciter power only, tower zapped by lightning

**6/20 Tr**

0957 KLZK 104.3 TX Brownfield, r, Fina spot  
 1000 KEJS 106.5 TX Lubbock, tejano, ID  
 1005 KQLM 107.9 TX Midland, restaurant spot (place real close to my in-laws)

**6/25 Es**

1353 KFLR 90.3 AZ Phoenix, fundraiser  
 1400 KSWG 94.1 AZ Wickenburg, ID

**6/30 Tr**

1000 KOCV 91.3 TX Odessa, ID  
 1000 KAVV 90.7 TX Amarillo, ID  
 1011 KXXL 101.3 TX Crane, I  
 1021 KQRX 95.1 TX Midland, "The X"

**7/1 Tr**

0242 KRNB 105.7 TX Decatur, calls, local KROU is off all night  
 0934 KEND 106.5 NM Roswell, spots, first day of UFO festival.....coincidence????

0949 KWUA 102.3 NM Clovis, local rx  
 0956 KSMX 107.5 NM Clovis, "Retro 107.5"  
 0957 KIXN 102.9 NM Hobbs, k, "Kicks 103"  
 1002 KWMW 105.1 NM Majamar, ID  
 1033 KMTM 98.7 NM Majamar, Texas A&M feature

**7/2 Tr**

0119 KZLE 93.1 AR Batesville, contest rules  
 0121 KGMO 100.7 MO Cape Girardeau, calls  
 0141 KWQZ 103.3 AR Mountain View, calls  
 0159 KZRB 103.5 TX New Boston, ID  
 0226 WYNU 92.3 TN Milan, "Power 92.3"  
 0234 KUAP 89.7 AR Pine Bluff, promo, calls  
 0255 KOLL 94.9 AR Maumelle, ID, "Cool"  
 0307 WWEZ 97.5 TN Trenton, "EZ-97.5"

**7/3 Tr**

0048 KCIL 107.5 LA Houma, calls

Conditions continue real weak in these parts. As I type this (7/15), I'm still waiting on the first really good Es opening of the season. Hope the Perseids shower is worth working this year....the last two have been rather poor. 73

# From the Editor

Great to have this many contributors despite the poor Es conditions so far this season. Seems the only one getting anything is Pat Dyer.

If you're looking for info on radio-TV stations in Oklahoma, Texas or Louisiana, here's a webpage to try. It's <http://www.metronet.com/~chipk/>. Lotsa good info, tho there are a number of stations missing.

See y'all next month!

# NORTHERN FM-DX

GREG CONIGLIO  
90 SLATE CREEK DR. APT #3  
CHEEKTOWAGA, NEW YORK 14227

e-mail: coniglio@localnet.com

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada  
AUGUST 1997 DEADLINE: The 5th LOG CUTOFF: 3 mos. from postmark  
SEASON VERY POOR SO FAR. No one has really noted any major openings, except for June 26th (too early to tell how widespread that opening was) There has not been any report of huge tropo ducting, either. Let's hope July is a great month, so that 1997 is not a complete bust. Speaking of July, I will be away for most of the month, so I have to get both of these columns in very early. If you sent a report in by the deadline and you don't see it - sorry! Look for it in the September VUD. If you have had some DX, why not share it with us!

JOHN EBELING - 9209 VINCENT AVE. SO. - BLOOMINGTON,  
MINNESOTA 55431  
or: 6483 COUNTY ROAD 47 - ALBORN, MINNESOTA 55702

## FROM BLOOMINGTON, MINNESOTA: MARCH 1997 DX

18 TR	2307	WUSK	96.1	WI	Tomah, "US 96", k	151
19 TR	1630	WBJI	98.3	MN	Blackduck	209
	1637	KOLV	100.3	MN	Olivia	82
	1900	KDEZ	96.1	MN	Crookston	258
APRIL 1997 DX						
11 TR	2243	K297AF	107.3	MN	Red Wing (KRCH 101.7)	43
22 TR	1630	K241AC	96.1	MN	Red Wing (KFMX 102.5)	43
23 TR	1636	KKDM	107.5	IA	Des Moines	225

**WIRR 90.9 FM** **WIRN 92.5 FM**  
CLASSICAL MUSIC NEWS & INFORMATION

## FROM PROSIT, MINNESOTA:

JANUARY 4, 1997 DX						
2000	WIRN	92.5	MN	Buhl (another MN public radio local - damn)		
MAY 1997 DX						
18 TR	1030	W203AL	88.5	MN	Duluth	29
18 ES	1338	K201CY	88.1	NM	Clovis (NOTE 1)	1035
22 TR	2330	K236AD	95.1	MN	Grand Rapids, KADU 90.1	45
	2331	K280CO	103.9	MN	Gilbert, KADU 90.1	-
30 ES	1630	WRJA	88.1	SC	Sumter	1111
	1630	unID	88.5	??	American Family Radio xtr	
	1630	WETS	89.5	TN	Johnson City	909
	1635	WSCI	89.3	SC	Charleston	1189
	1640	WWWZ	93.3	SC	Summerville 293 Jamz	1169
	1643	WQOS	97.5	SC	Columbia	1084
	1644	WMXT	102.1	SC	Pamplico	1136
	1649	WSQN	102.9	SC	Scranton	1132
	1651	WYAY	104.1	SC	Conway	1170
JUNE 1, 1997 ES						
2200	KUHF	88.7	TX	Houston		1200

NOTE 1: 3 xtrs of KLYT 88.3 Albuquerque "K-Lite" possible. Based on TV (Ch2 reception), K201CY is most likely. K201BJ Alamogordo & K201CC Las Cruces were eliminated. Regards, John E.

GREG CONIGLIO - 90 SLATE CREEK DR. #3 - CHEEKTOWAGA, NEW YORK 14227

Equipment: Carver TX-11a Tuner, Radio Shack VHF/FM combo antenna sitting on balcony, ~ 8' AGL, RG-59 coax, no amplification or phasing

## MAY 30, 1997 ES (MUF 103.7)

1839	KKOT	93.5	NE	Columbus	957
1841	KRBB	97.9	KS	Wichita	1034
1845	KCHZ	95.1	KS	Ottawa, "Channel Z"	916
1850	KANB	92.7	KS	Belle Plaine, CNN nx	1056
1853	KOTE	93.5	KS	Eureka, k, local ads, received verification	985
1855	KFDI	101.3	KS	Wichita, k	1046

## JUNE 1997 DX

18 GW	0830	WHUG	101.9	NY	Jamestown, x-101.7	57
21 TR						

Cleveland area very strong in the evening, nothing new

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## JUNE 1997 DX

26 ES (MUF 107.9)						
1935	WMKR	94.3	IL	Taylorville, calls, Illinois mentions, SHORT SKIP		593
1936	KICT	95.1	KS	Wichita, ads		1045
1938	KZBZ	104.9	KS	Salina, Breezy		1021
1943	KPLA	101.5	MO	Columbia, local ads		760
1947	KBHT	93.5	TX	Crockett, local ads		1226
1948	KHBM	93.5	AR	Monticello, legal ID		951
1951	KRRV	100.3	LA	Alexandria, k		1003
1952	(KQRC)	98.9	KS	Leavenworth, current rock format, ex: KCWV		884
1954	unID	105.1		"The Gator", oldies		

MORE DX ON PAGE 27....

# EASTERN TVDX

AUGUST 1997

WILLIS MONK - WB5KHD P.O. BOX 1452 COLLEGEDEALE, TN 37315

IT is still late June as I write this, for the August issue. I was wondering if we had a good time at the WFTV DX convention.

I will assume that all did have a great time, and a tip of the old hat to John Broomall for making all the arrangements and for providing a great time in Atlanta.

## PROPAGATION:

For a great article on E-skip propagation--check the April and May 1997 issues of CQ magazine. Even though I don't agree with all their findings it is still a well written and informative article.

Also there is a very good propagation report in the back of each issue. Jacobs even forecast VHF propagation, at times.

## METEOR SHOWER DX:

This is a reminder that this is the month for the Perseids meteor shower. This is normally THE best time of the year for this type of propagation. Remember to report you shower dx to your editor. I'm still working on an article for this type of DX. I found that there's more to this than I have the time to devote to writing.

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DOUG SMITH 1385 OLD CLARKSVILLE RD  
PLEASANT VIEW, TN 37146

EQUIPMENT: SEARS 19" COLOR STEREO TV/ ARCHER VU-160 FOR VHF/RS CORNER REFLECTOR FOR UHF/ WITH CM-7475 PREAMP.

## JUNE 1997

02 Es	0917	unID-3				
	0938	CBWFT-3	MB	WINNIPEG	1060	
	0947	unID-2		PBS		
	1020	CBWT-6t		ED PROGRAM		
07	1200	unID-3		XEW-2 RELAY		
09Es	1359	KIII-3	TX	CORPUS CHRISTI		
	1415	KRIS-6t	TX	NBC		
	1427	KGFT-4	TX	HARLINGTON	948	
	1500	KPRC-2	TX	HOUSTON	677	
Tr	2150	WDKA-42	KY	PADUCAH	129	

## DOUG SMITH'S REPORT CONT.,

JUNE 1997						
10Es	1128	XEFB-2	NL	MONTERREY	1075	
	1131	KIII-3	TX	CORPUS	861	
	1145	XHPN-3	CL	PIEDRAS NEGRAS		
	1200	XHWX-4t	NL	MONTERREY		
13Es	0930	unID-6				
14Es	1023	WLBZ-2	ME	BANGOR	1120	
		unID-3		CANADA		
20Tr	0030	W54AE, WQTV-LP	46, W52AZ	WEST KY		
	0045	KPLR-11, KETC-9	ST. LOUIS	231		
		WXIN-59, WII-63	INDIANA	220		
	0134	K39CP	MO	POPULAR BLUFF	189	
	0725	W49AX	KY	LOUISVILLE	152	
		WCLJ-42	IN	TBN	214	
		WSTR-64	OH	CINCINNATI	238	
22Tr	0900	VARIOUS LPTV	NORTH ALABAMA, MISS., K4SCA MO			
24Tr	0828	WFYI-20	IN	INDY	246	
		W18BL	TN	ADAMSVILLE YBN		
		K4SCA	MO	CAPE GIRARDEAU		
		WMC-5	TN	MEMPHIS	178	
25Es	1100	unID-5	TO CHANNEL 5	TO WEST TEXAS		
26Es	0923	KREG-3	CO	GLENWOOD SPR	1122	
		KWGN-2t	CO	DENVER		
29Es	1928	KENW-3	NM	PORTALES	956	
		KIII-3	TX	CORPUS		
	1950	XHWX-4t	NL	MONTERREY		
	2015	KENS-5t	TX	SAN ANTONIO		
30Es	2204	unID-5	TO CH 3	TO MEXICO		
JULY 1997						
1Es	1231	KENW-3	NM	PORTALES MUF	92.3	
Tr	2336	SPRINGFIELD MO	10/21/33	329		
2Tr	0000	KEMV-6	AR	MT. VIEW	293	
		KLRT-16	AR	LITTLEROCK	323	
	0023	KTHV-11	AR	LR	323	
	0046	KTUL-8	OK	TULSA	476	
	0135	KWTV-9	OK	OK CITY	584	
	0615	DALLAS 21/27/33			620	
		HOUSTON 20/26			677	
		KETK-56	TX	JACKSONVILLE	550	
				SEE NOTE #1		
2Tr	0629	KHBS-40	AR	FT. SMITH	435	
	0721	unID-27		WB ?		
	0835	KXLN-45	TX	ROSENBERG	678	
	0900	KARD-14	LA	WEST MONROE	415	

NOTE #1: WHILE I'VE HAD NUMEROUS HOUSTON OPENINGS, AND SEVERAL DALLAS OPENINGS, IN THE PAST, THIS IS THE FIRST TIME BOTH CITIES HAVE BEEN IN AT THE SAME TIME. NOTHING IN BETWEEN (WACO, BRYAN, ETC.) WAS IN THOUGH.

EDITORS NOTE: KWTV-9 OKLAHOMA CITY WAS ONE OF THE FIRST STATIONS TO HAVE A TOWER OVER 1,000 FT TALL. THE CALL STANDS FOR WORLDS TALLEST VIDEO, OR SO THEY BILLED THEMSELVES IN 1956 WHEN THE STATION WENT ON THE AIR. I HAVE PICTURES OF THE STATION FROM THAT TIME.



**BOB SEYBOLD** 1865 W. MAIN RD. SILVER CREEK, N.Y.

THERE HAS BEEN CONSIDERABLE AMOUNT OF DX INCLUDING BOTH ES AND TROPS IN LAST 2 WEEKS. THERE HAS BEEN SOME VERY WARM AND HUMID CONDITIONS AIDING TROPS AND PROVIDING SOME GOOD CONDITIONS FOR 200 MILE RECEPTION ON A STEADY BASIS. NOTED A FEW OCCASIONS OF GOOD TROPS DURING TIME PERIOD OF 0300 TO 0500 CHICAGO STATIONS IN A COUPLE TIMES IN THAT TIME PERIOD ALSO INDY U's. EVEN WITH U's SOUTH BEND OR FT. WAYNE. NO TROPS AT ALL PAST 450 MILES.

DUE TO MY WORK SCHEDULE ONLY E SKIP OBSERVED WAS EVENING OR ON SUNDAYS. NOT MUCH E SKIP ON CHANNEL 5 OR 6. QUITE A BIT ON CHANNEL 2 AND 3 AND SOMETIMES ON 4.

JUNE 22 E SKIP AT VARIOUS TIMES ESPECIALLY TO SOUTH (FLORIDA AND GULF COAST). TROPS-0500 AND 0800 AND EVENING AFTER 2000 EDT FT. WAYNE, SOUTH BEND AND ANGOLA U's. LIMA, BOWLING 27, 35, 44; TOLEDO AND WESTERN OHIO LPTV's.

23-28 SOME EARLY MORNING TROPS 0500 TO 0730 ON ALL DAYS-FT. WAYNE, SOUTH BEND, ANGOLA 63; INDY 23 AND 59 ALSO WLFI ON A COUPLE OCCASIONS; CHICAGO 32, 38, 44 AND 6; INDIANA 62 IN JUNE 25 FROM 0300 TO 0800 WITH CHICAGO FADING FIRST- IOWA 32 IN BRIEFLY THE ONLY REAL DISTANT U's RECEIVED LATELY.

JUNE 29-30 GOOD TROPS TO WEST TO 400 MILES GOOD TO ELMIRA, BINGHAMTON, SCRANTON 0500 TO 0730 AND EVENINGS. SEVERAL EVENINGS FOOD DETROIT, CLEVELAND, TOLEDO IN ALL EVENING WITH EXCELLANT SIGNALS, MANY CANADIAN U's IN SOLID E SKIP WAS EXCELLANT ON JUNE 29 DURING MOST OF THE DAY

GOOD LUCK TO CONVENTION HOST & THOSE ATTENDING. SORRY I COULD NOT MAKE IT.

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**ERIC VOYTKO** 1721 DALEWOOD PLACE McLEAN, VA 22101

EQUIPMENT: 6' SCREENED CHANNEL MASTER DISH W/ RDX LABS UA-900 PREAMP. QUANTUM 1110 AT 20' W/ RG11; ICOM R-7100 AND SONY KV8-AD11 TV.

JUNE 1997

02 Es	2049	KSN2-2	KS	116	
04 Es	2045	KBTX-3	TX	1210	VIID
11 Es	1031	KYTV-3	MO	870	
	1058	KJRH-2	OK	103	TULSA
13 Es	0943	KQTV-2	MO	940	
	0954	KTV0-3	MO	820	
	0958	KGAN-2	IA	820	
	0959	KMTV-3	NE	1010	
16 Tr	0738	W35BH	VA	150	VA.

BEACH WAVY-10

		W52BM	NC	300	TBN
	0756	WTAT-24	SC	440	
		WRAY-30	NC	210	
	0758	WUNU-31	NC	300	
		WUNJ-39	NC	320	
		W58CD	NC	240	

RALEIGH HSN

		W38BB	NC	240	TBN
	0804	W19BM	VA	150	
	0928	W34BR	NC	230	TBN
17 Tr	0800	W18BS	VA	130	TBN
21 Tr	0730	W33BF	NC	210	ROCKY

MOUNT TBN

22 Tr	0805	WVIT-30	CT	290	
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**ERIC VOYTKO's REPORT CONT.,**  
JUNE 1997

	0810	WBNE-59	CT	280	
23 Tr	0656	W5622	NC	240	3ABN
		WHFL-LP-56	NC	240	WSHIP
	0730	WUNU-31	NC	300	
		WPDE-15	SC	340	
		WWMB-21	SC	370	
26 Tr	0700	WFXB-43	SC	370	
		WACN-LP-59	NC	190	RELIGIOUS
		W34AX	NC		
				+200	OFFSET
Es	1300	KPRC-2	TX	1230	
	1500	KQTV-2	MO	940	
	1830	KMTV-3	NE	1010	
	2100	KMT-2	IA	880	
	2141	KBTX-3	TX	1210	VIID
29 Es	1400	KLNE-3	NE	1190	

ERIC'S COMMENTS: AS PAT DYER REPORTED IN THE JUNE ISSUE KBTX-3 IS INDEED RUNNING THEIR ID IN THEIR VBI I HAVE SEEN IT TWICE, IT'S REALLY HELPFULL AND EASY TO READ EVEN THROUGH HEAVY CCL ID READS "KBTX-TV BRYAN, TX". NOT A LOT OF ES THIS SUMMER, BUT MANY NEW LPTV's SEEN FROM NC AND VA. MANY THANKS TO DOUG SMITH FOR LPTV INFO THIS MONTH. ALSO THANKS TO ROY BARSTOW IN MA; HE SPOTS NEW LPTV's IN EASTERN VIRGINIA EVEN BEFORE I DO.

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**ROY BARSTOW** BOX 2488 TEATICKET, MA 02536

MAY 1997

24 Tr	0230	W19BX	VA		
	0245	WNCN-17	NC		
	0302	WLFL-22	NC		
	0303	WRDC-28	NC		
	0330	W34AX	NC		
	0400	WJZ-60	MD		
	0458	WRAY-30	NC		GSN
	0500	WRMY-47	NC		
25 Tr	0110	W22BM	NJ		BOX
	0145	W33AK	NH		

JUNE 1997

9 Tr	2105	CHHF-45	NS		
	2125	CBHT-24	NS		
	2126	CBHFT-34	NS		
11 Tr	2130	WUNU-39	NC		
	2300	WMMP-36	SC		
12 Tr	0045	WTAT-24	SC		
	0100	WHMC-23	SC		
	0112	WJWJ-16	SC		
	0205	WFXB-43	SC		
	0245	WVIR-29	VA		
15 Tr		A GOOD NIGHT			
	2240	WCPB-28	MD		
	2315	WTVB-37			
	2335	WSFX-26	NC		
	2340	WRAY-30	NC		
16 Tr	0001	W34AX	NC		
	0008	WRAZ-50	NC		
	0015	W38BB	NC		TBN
	0030	WUNU-31	NC		
	0035	WUNP-36	NC		
	0040	WYDO-14	NC		
		WNCN-17	NC		

**ROY BARSTOW's REPORT CONT.,**  
JUNE 1997

		WUNJ-39	NC		
		LAST 3 IN LIKE GLASS			
	0042	WHTV-19	VA		
	0045	W58BR	MD?		HSC
	0050	W14BN	VA		BOX
	0110	WMMP-36	SC		
	0112	WTAT-24	SC		
	0130	W22AJ	DE		(WMDT-47)
	0140	WPDE-15	SC		
	0210	W20AL	NC		(WNVN TBN)
	0230	W56CC	SC		(WEYB)
	0250	WFXB-43	SC		
	0400	WTGS-28	SC		
	0415	W25AW	NJ		
21 Tr	0000	WTAT-24	SC		
	0005	WMMP-36	SC		
		W36BK	VA		
	0010	W18BB	NC		
	0130	WPDE-15	SC		
	0147	WVMB-21	SC		
	0245	WVAY-3	NC		ON CH 44
	0305	W20AL	NC		TBN
	0445	W21AL	NC		TBN
	0500	WJCL-22	GA		
	0510	W53BE	NC		TBN
		WFXI-8	NC		ALL AFTERNOON

COMMENTS: W19BX-VA ON WITH VALUE VISION, WHTV U/R ON SCREEN. ALSO ON 24MAY, 13 IN LARGE LETTERS, WJZ ON CARD ON CH 60 MOST LIKELY A PHANTOM! AGAIN WTVB-11-NC COMING IN ON CH 37. ON 16 JUNE HSC CAUGHT ON 58, TEL. # 1-800-284-7171, NOT THE SAME NUMBER AS OTHER HSC STATIONS SEEN. ALSO ON 16 JUNE, 27 MA AND 27 VA BOTH OFF AND NOT TESTING TO ALLOW W27AJ TO COME IN. LOOKING FOR THIS ONE FOR MANY YEARS. ES NOTED MOSTLY TO THE WEST. NOTHING TO WRITE HOME ABOUT.

## NORTHERN FM DX

AUGUST 1997

Greg Coniglio's report continues ...from PAGE 24

### JUNE 26 ES CONT

1955	KMAG	99.1	AR	Fort Smith, K-Mag	959
2000	KZBB	97.9	OK	Poteau, legal ID	1007
2003	KCHZ	95.7	KS	Ottawa, legal ID	916
2006	unID	104.7	AR	"Cool 104.7", AR weather	
2009	KWCK	99.9	AR	Searcy, Quick 99.9 and local ads, well over CKFM Toronto	871
2016	WDKS	106.1	IN	Newburgh, FIRST ever ES reception to Indiana, "The New 106.1 Kiss FM" and ads for "Thunder On The Ohio", report sent. Very strong at times. VERY SHORT E-SKIP	568
2025	WASL	100.1	TN	Dyersburg, SL-100, ads	736
2027	KLXQ	96.7	AR	Hot Springs, rp, calls	959
2030	KSKU	106.1	KS	Lyons, calls, CHR	1065
2034	KYYS	102.1	MO	Kansas City, ad for car dealer on Shawnee Mission Pkwy, o/CFNY	865
2035	WVRY	105.1	TN	Waverly, Solid Gospel 105 strong at times, but no sign of sister station WBOZ 104.9. WVRY 104.9 heard back in 1987	673

### JUNE 26 ES CONT

2040	KSSN	95.7	AR	Little Rock, Kissin wx	923
2045	KXKZ	107.5	LA	Ruston, legal ID jx	1046
2046	WGKX	105.9	TN	Memphis, Kicks	796
2047	(KVLO)	102.9	AR	Sheridan, local ads	
				over CKLH, ex: KEZQ	936
2049	WYMX	99.1	MS	Greenwood, Max 99	892
2050	WYWEZ	97.5	TN	Trenton, EZ 97.5 wx	721
2053	KULI	95.9	AR	Lake Village, The Cuz	939
2059	WKDZ	106.3	KY	Cadiz, "Real Country 106.3"	
				WKDZ: FIRST ever ES to Kentucky	634
2100	WCIL	103.9	MS	Cleveland, s, calls	902
2101	KIYS	101.9	AR	Jonesboro, Kiss FM	798
2106	WCIL	101.5	IL	Carbondale, CIL-FM	657

**KWCK**  
COUNTRY 99.9

June 26th was my first decent opening at this new location. It was a very good opening, lasting for awhile, having decent signal strengths, and the extremely short Es popping in for most of the opening. On average, the opening had short distances, with W. Tenn and Arkansas being dominant, both areas being slightly "short". May 30th was a very short opening. Other than that, NOTHING. It will take a very good July to salvage 1997 from being one of the worst ever. And I'll be gone most of the month! Oh well, see you in Atlanta!

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# WESTERN TV-DX

August 1997

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805) 687-7803

This report is for June 1997. I was at Wasco again, on weekend of June 6-8, looking for sporadic-E, but the only Es seen was on Saturday, June 7, on a Panasonic color set with 1-bay conical, on ch. 2, for one minute at a time at 1358, 1416, 1418, 1420, and 1426; on ch. 4 at 1402 (B&W signal, no audio); and ch. 2 for 4 minutes at 1430-1434. No IDs--heck.

Back in Santa Barbara. I didn't keep track of southern CA tropo conditions as closely as I could have. It was fairly good May 26 to June 1, then possible nil after that until approx. June 8, and was then at least fair (to San Diego/Tijuana, 175-200 miles) through June 28, and improved to good on June 29, then nothing June 30, and fair again as of this writing on July 1. The improvement on the 29th may have been due to either a more pronounced inversion-layer boundary or a lowering of the boundary from the usual 1500+ feet ASL to something below 1000 feet (probably the latter)(my elevation is approx 300 feet).

Best of DX to all. Dennis

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

1800' ASL, no relogs, all tropo over 500+ miles

June, 1997	CDT
2 0530 KAMC 28TX Lubbock ABC	553
KXTQ-LP 46TX Lubbock TMD	552
0615 KBZO-LP 51TX Lubbock UNI	558
0630 K36CC 36TX Kress KVIL-7	611
KCIT 14TX Amarillo FOX	677
0655 KCBP 11TX Lubbock NBC	555
KLBK 13TX Lubbock CBS	554
2315 WNOL 38LA New Orleans WB	694
WLAE 32LA New Orleans Educ	694
WGNO 26LA New Orleans ABC	694
3 0400 WUPL 54LA Sidelil UPN	705
0545 KADN 15LA Lafayette FOX	586
KVHP 29LA Lake Charles FOX	530
0645 KLPB 24LA Lafayette LPB	567
12 0530 KDFI 27TX Dallas	518
KDXT 58TX Dallas TBN	518
2000 WVLA 33LA Baton Rouge NBC	633
2115 KLTL 18LA Lake Charles LPB	548
13 0300 KLAX 31LA Alexandria ABC	618
Shop at Home at the time	
KARD 14LA West Monroe FOX	659
\$ KMSS 33LA Shreveport FOX	615

Victor Frank  
12450 Skyline Blvd.  
Woodside, CA 94062-4541  
email frank@sneezy.sri.com  
(415)851-7031

KETK 56TX Jacksonville NBC	533
WCCL 49LA New Orleans HSN	688
KFXK 51TX Longview FOX	557
K65CE 65LA Shreveport TBN	615
KFWD 52TX Fort Worth TMD	522
0330 K62DW 62LA Lafayette UPN	589
WNTZ 48MS Natchez FOX	670
0345 WPMI 15AL Mobile NBC	838
WMPV 21AL Mobile TBN	842
0400 K67GL 67LA Bunkie //WNTZ-48	614
0530 WLPB 27LA Baton Rouge LPB	638
0545 KLT5 24LA Shreveport LPB	616
0600 KMCT 39LA West Monroe Rel.	679
WDBD 40MS Jackson FOX	754
WAPT 16MS Jackson ABC	754
WMAH 19MS Biloxi MS educ	770
unid 31 rel. n. ne of KLAX	
0615 WGMB 44LA Baton Rouge FOX	633
WMPN 29MS Jackson MS educ	747
0700 KXTX 39TX Dallas	518
KINZ 68TX Arlington	518
KLDT 55TX L. Dallas Shop at Home	544
0715 KDAF 33TX Dallas	518
KHSX 49TX Irving HSN	518
KTXA 21TX Fort Worth	518
2000 WAFB 9 LA Baton Rouge CBS	638
WVUE 8 LA New Orleans FOX	693
2115 XHBE 11VE Coatzacoalcas XHDF-13	636
XHTVL 9 TAB Villahermosa ind.	705
2200 XHLL 13TAB Villahermosa XHGC-5	705
XHVIH 11TAB Villahermosa XHMT-7	705
2245 WPAN 53FL Fort Walton Beach	869
XHSTA 7 TAB Villahermosa	
14 0115 WHBR 33FL Pensacola Rel.	838
WEIQ 42AL Mobile APT	825
15 0030 K59DG 59LA New Orleans TBN	688
WHNO 20LA New Orleans Rel.	688
0100 WXXV 25MS Gulfport FOX	764
16 0530 KSHV 45LA Shreveport UPN	616
20 0530 K56DR 56LA Baton Rouge TBN	633
K55HA 55LA New Iberia UPN	596
0615 K59HD 69LA Church Point UPN	586
0630 WMAU 17MS Bude MS educ	697
KLPA 25LA Alexandria LPB	619
July 1997	CDT
04 0115 WBHS 50FL Tampa	1116
WPBA 30GA Atlanta	1103
WGNX 46GA Atlanta	1104
0130 WUPA 69GA Atlanta	1100
WATL 36GA Atlanta	1104
0145 WLTZ 38GA Columbus	1036
0215 WTLK 14GA Rome	1105
WTBS 17GA Atlanta	1101
0245 WHSG 63GA Monroe	1119
0845 WABW 14GA Pelham	1048

ROY BARSTOW'S REPORT CONT.,  
JUNE 1997

WUNJ-39 NC	
LAST 3 IN LIKE GLASS	
0042 WHTV-19 VA	
0045 W58BR MD?	HSC
0050 W14BN VA	BOX
0110 WMMP-36 SC	
0112 WTAT-24 SC	
0130 W27AJ DE	(WMDT-47)
0140 WPDE-15 SC	
0210 W20AL NC	(WNNV TBN)
0230 W56CC SC	(WEYB)
0250 WFXB-43 SC	
0400 WTGS-28 SC	
0415 W23AW NJ	
0000 WTAT-24 SC	
0005 WMMP-36 SC	
W36BK VA	
0010 W18BB NC	
0130 WPDE-15 SC	
0147 WMMB-21 SC	
0245 WWAY-3 NC	ON CH 44
0305 W20AL NC	TBN
0445 W21AL NC	TBN
0500 WJCL-22 GA	
0510 W53BE NC	TBN
WFXI-8 NC	ALL AFTERNOON

COMMENTS: W19BX-VA ON WITH VALUE VISION, WHTV U/R ON SCREEN. ALSO ON 24MAY, 13 IN LARGE LETTERS, WJZ ON CARD ON CH 60 MOST LIKELY A PHANTOM! AGAIN WTVYD-11-NC COMING IN ON CH 37. ON 16 JUNE HSC CAUGHT ON 58, TEL. # 1-800-284-7171, NOT THE SAME NUMBER AS OTHER HSC STATIONS SEEN. ALSO ON 16 JUNE, 27 MA AND 27 VA BOTH OFF AND NOT TESTING TO ALLOW W27AJ TO COME IN. LOOKING FOR THIS ONE FOR MANY YEARS. Es NOTED MOSTLY TO THE WEST. NOTHING TO WRITE HOME ABOUT.

## NORTHERN FM DX

AUGUST 1997

Greg Coniglio's report continues ...from PAGE 24

### JUNE 26 ES CONT.

1955 KMAG 99.1 AR Fort Smith, K-Mag	959
2000 KZBB 97.9 OK Poteau, legal ID	1007
2003 KCHZ 95.7 KS Ottawa, legal ID	916
2006 unID 104.7 AR "Cool 104.7", AR weather	
2009 KWCK 99.9 AR Searcy, Quick 99.9 and	
local ads, well over CKFM Toronto	871
2016 WDKS 106.1 IN Newburgh, FIRST ever ES	
reception to Indiana, "The New 106.1 Kiss FM" and	
ads for "Thunder On The Ohio", report sent. Very	
strong at times. VERY SHORT E-SKIP	568
2025 WASL 100.1 TN Dyersburg, SL-100, ads	736
2027 KLLQ 96.7 AR Hot Springs, rp, calls	959
2030 KSKU 106.1 KS Lyons, calls, CHR	1065
2034 KYYS 102.1 MO Kansas City, ad for car	
dealer on Shawnee Mission Pkwy, o/CFNY	865
2035 WYRY 105.1 TN Waverly, Solid Gospel 105	
strong at times, but no sign of sister station WBOZ	
104.9. WYRY 104.9 heard back in 1987	673

### JUNE 26 ES CONT.

2040 KSSN 95.7 AR Little Rock, Kissin wx	923
2045 KKKZ 107.5 LA Ruston, legal ID jx	1046
2046 WGKX 105.9 TN Memphis, Kicks	796
2047 (KVLO) 102.9 AR Sheridan, local ads	
over CKLH, ex: KEZQ	936
2049 WYMX 99.1 MS Greenwood, Max 99	892
2050 WWEZ 97.5 TN Trenton, EZ 97.5 wx	721
2053 KULJ 95.9 AR Lake Village, The Cuz	939
2059 WKDZ 106.3 KY Cadiz, "Real Country 106.3	
WKDZ", FIRST ever ES to Kentucky	634
2100 WCIL 103.9 MS Cleveland, s, calls	902
2101 KIYS 101.9 AR Jonesboro, Kiss FM	798
2106 WCIL 101.5 IL Carbondale, CIL-FM	657

**KWCK**  
COUNTRY 99.9

June 26th was my first decent opening at this new location. It was a very good opening, lasting for awhile, having decent signal strengths, and the extremely short Es popping in for most of the opening. On average, the opening had short distances, with W. Tenn and Arkansas being dominant, both areas being slightly "short". May 30th was a very short opening. Other than that, NOTHING. It will take a very good July to salvage 1997 from being one of the worst ever. And I'll be gone most of the month! Oh well, see you in Atlanta!

# WESTERN TV-DX

August 1997

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805) 687-7803

This report is for June 1997. I was at Wasco again, on weekend of June 6-8, looking for sporadic-E, but the only Es seen was on Saturday, June 7, on a Panasonic color set with 1-bay conical, on ch. 2, for one minute at a time at 1358, 1416, 1418, 1420, and 1426; on ch. 4 at 1402 (B&W signal, no audio); and ch. 2 for 4 minutes at 1430-1434. No IDs--heck.

Back in Santa Barbara. I didn't keep track of southern CA tropo conditions as closely as I could have. It was fairly good May 26 to June 1, then possible nil after that until approx. June 8, and was then at least fair (to San Diego/Tijuana, 175-200 miles) through June 28, and improved to good on June 29, then nothing June 30, and fair again as of this writing on July 1. The improvement on the 29th may have been due to either a more pronounced inversion-layer boundary or a lowering of the boundary from the usual 1500+ feet ASL to something below 1000 feet (probably the latter)(my elevation is approx 300 feet).

Best of DX to all. Dennis

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

1800' ASL, no relogs, all tropo over 500+ miles

June, 1997	CDT
2 0530 KAMC 28TX Lubbock ABC	553
KXTQ-LP 46TX Lubbock TMD	552
0615 KBZO-LP 51TX Lubbock UNI	558
0630 K36CC 36TX Kress KVII-7	611
KCIT 14TX Amarillo FOX	677
0655 KCBP 11TX Lubbock NBC	555
KLBK 13TX Lubbock CBS	554
2315 WNOL 38LA New Orleans WB	694
WLAE 32LA New Orleans Educ	694
WGNO 26LA New Orleans ABC	694
3 0400 WUPL 54LA Slidell UPN	705
0545 KADN 15LA Lafayette FOX	586
KVHP 29LA Lake Charles FOX	530
0645 KLPB 24LA Lafayette LPB	567
12 0530 KDPI 27TX Dallas	518
KDTP 58TX Dallas TBN	518
2000 WVLA 33LA Baton Rouge NBC	633
2115 KLTL 18LA Lake Charles LPB	548
13 0300 KLAX 31LA Alexandria ABC	618
Shop at Home at the time	
KARD 14LA West Monroe FOX	659
\$ KMSS 33LA Shreveport FOX	615

Victor Frank  
12450 Skyline Blvd.  
Woodside, CA 94062-4541  
email frank@sneezy.sri.com  
(415)851-7031

KETK 56TX Jacksonville NBC	533
WCCF 49LA New Orleans HSN	688
KFXK 51TX Longview FOX	557
K65CE 65LA Shreveport TBN	615
KFWF 52TX Fort Worth TMD	522
0330 K62DW 62LA Lafayette UPN	589
WNTZ 48MS Natchez FOX	670
0345 WPMI 15AL Mobile NBC	838
WMPV 21AL Mobile TBN	842
0400 K67GL 67LA Bunkie /WNTZ-48	614
0530 WLPB 27LA Baton Rouge LPB	638
0545 KLTG 24LA Shreveport LPB	616
0600 KMCT 39LA West Monroe Rel.	679
WDBD 40MS Jackson FOX	754
WAPT 16MS Jackson ABC	754
WMAH 19MS Biloxi MS educ	770
unid 31 rel. n. ne of KLAX	
0615 WGMB 44LA Baton Rouge FOX	633
WMPN 29MS Jackson MS educ	747
0700 KXTX 39TX Dallas	518
KINZ 68TX Arlington	518
KLDT 55TX L.Dallas Shop at Home	544
0715 KDAF 33TX Dallas	518
KHSX 49TX Irving HSN	518
KTXA 21TX Fort Worth	518
2000 WAFB 9 LA Baton Rouge CBS	638
WVUE 8 LA New Orleans FOX	693
2115 XHBE 11VE Coatzacoalcas XHDF-13	636
XHTVL 9 TAB Villahermosa ind.	705
2200 XHLL 13TAB Villahermosa XHGC-5	705
XHVIH 11TAB Villahermosa XHMT-7	705
2245 WPAN 53FL Fort Walton Beach	869
XHSTA 7 TAB Villahermosa	
14 0115 WHBR 33FL Pensacola Rel.	838
WEI 42AL Mobile APT	825
15 0030 K59DG 59LA New Orleans TBN	688
WHNO 20LA New Orleans Rel.	688
0100 WXXV 25MS Gulfport FOX	764
16 0530 KSHV 45LA Shreveport UPN	616
20 0530 K56DR 56LA Baton Rouge TBN	633
K55HA 55LA New Iberia UPN	596
0615 K89HD 69LA Church Point UPN	586
0630 WMAU 17MS Bude MS educ	697
KLPA 25LA Alexandria LPB	619
July 1997	CDT
04 0115 WBHS 50FL Tampa	1116
WPBA 30GA Atlanta	1103
WGNX 46GA Atlanta	1104
0130 WUPA 69GA Atlanta	1100
WATL 36GA Atlanta	1104
0145 WLTZ 38GA Columbus	1036
0215 WTLK 14GA Rome	1105
WTBS 17GA Atlanta	1101
0245 WHSG 63GA Monroe	1119
0645 WABW 14GA Pelham	1048

## Western TV DX (F. Garcia's report continues)

500+ miles tropo openings were also observed on the 4, 19, 21, 22, 27, 28 and 29 of the month. This month of June is noted as the best month of June for more different logged stations of 500+ miles from Texas with 18 stations. The big log absence for this month are: State of Oklahoma logged every June in the last 5 years. State of Arkansas logged every June in the last 4 years. Best day was the 13th with the furthest log for the month, WPAN-53 FL, and the rare opening into deep south Gulf of Mexico: states of Veracruz and Tabasco. Best signal was XHTVL-9 with snow free picture.

### 73's Fernando

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

Equipment: Zenith System 3 19" TV, Sanyo VHR-5428 VCR; Sanyo 19" TV, Goldstar GHV-1280M VCR w/RDX UA-75 UHF balun; Winegard CA-5254 VHF at 18' AGL, CM 9510A rotor; Antennacraft Chicken-wired P-5 dish w/Winegard GA-4500 preamp at 25' AGL (to feedpoint), Archerrotor B. Used inside as needed: Archer 15-1113B preamp w/hybrid splitter to feed Es signals into both TVs/VCRs from CA-5254; FasTrap bullet trap for channel 3. Beldon Quad-shield RG-6 on antennas.

May 1997	UTC
25 Es 2159 CKND2 2 MB	1279
2205 unids 2,4,5 Mexico	
2335 KVVU 5 NV	1238
26 Es 0045 XHG 4 JAL	1003
0130 KNAZ 2 AZ	1045
0130 KASA 2 NM	753
0229 KACV 2 TX	501
0240 KOB 4 NM	764
tr 0300 XERV 9 TA	513
0320 XHAB 7 TA	503
Es 0330 KPHOT 5 AZ	
tr 1515 OK City 4,5,9,13,25,43	303
Es 1735 KUTV 2 UT	1160
1750 KWGN 2 CO	806
1815 KCWC 4 WY	
1900 KTVQ 2 MT	1215
KTWO 2 WY	996
1935 unid 2 XEW	
2027 WUND 2 NC UNCTV	1031
2140 KGAN 2 IA	672
27 tr 0030 Valley 5,7,9,17,23,48	
0100 Coastal Bend 6,10,16,25	
28 Es 1830 XHHN 2 OAX XHGC-TV/D supered 1857	1050
unids 2 XEW, others	
29 Es 1830 XHHN 2 OAX Note #1	1050
unids 2,4 XEW, TV Azteca	
30 Es 1210 unids 2 CTV, others	
1232 WBAY 2 WI	892
1325 KTWQ 2 WY	996
2040 CBFT 2 PQ	1414

2325 unids 2 Canada, US	
31 Es 0003 CHBX 2 ON	1098
0105 KASA 2 NM	753
0345 unid 2 Mexico	
1215 unid 2 XEW	
2345 WJBK 2 MI	904
2355 WDIV 4 MI	904
June 1997	UTC
01 Es 0002 CKCO2 2 ON	1103
0022 CHBX 2 ON	1098
0058 WBBM 2 IL New Logo	737
0110 WNEM 5 MI	943
0159 KDKA 2 PA	945
CBFT 2 Hockey; French	
0225 WMAR 2 MD Telethon	1072
0240 WDTV 5 WV	876
0250 WGRZ 2 NY	1091
1603 WMAR 2 MD Telethon contin.	1072
1658 WESH 2 FL	789
1759 WSJK 2 TN Public TV of East TN	665
1855 KUTV 2 UT Note #2	1160
1940 KACV 2 TX	501
2040 KTVX 4 UT	1160
KSL 5 UT Telethon	1160
2110 KOAA 5 CO	734
2120 KWGN 2 CO	806
2210 KCNC 4 CO	806
2300 KCWC 4 WY WY PTV	1071
2320 KTWQ 2 WY	996
02 Es 0150 WGRZ 2 NY	1091
0223 WDTN 2 OH	735
0235 CKPR 2 ON TBT Nx 0300	1130
0301 KDKA 2 PA	945
0310 KGFE 2 ND Prairie PTV	1086
0323 CKND2 2 MB CKND Newsline	1279
0410 KTWQ 5 WY "CBS5" on Nx	996
1410 unids 2 Canada, US	
1500 KGFE 2 ND	1086
2245 XHFI 5 CH XEW w/local ads	778
2310 XHIT 4 CH Supered ID 2315	778
2315 XHBS 4 SI/SO ID supered 2343	
2350 KVVU 5 NV	1238
03 Es 0015 KNAZ 2 AZ	1045
1558 WBBM 2 IL Nx 1600	737
1515 WTMJ 4 WI Nx	801
1525 WBAY 2 WI	892
2110 unids 2 XEW, others	
2140 XHG 4 JAL	1003
2230 KNAZ 2 AZ	1045
2235 WPBT 2 FL	939
2258 KWGN 2 CO	806
KCNC 2 CO Local Nx	806
2320 KCWC 4 WY	1071
KVVU 5 NV	1238
2340 KPHO 5 AZ Local Nx 0000	1065
KNME 5 NM	764
05 Es 1245 WPBT 2 FL	939
1250 WFOR 4 FL	939
1427 KUTV 2 UT	1160
1440 unids 2,4,5 Mexico	
1448 KNAZ 2 AZ	1045
KTVX 4 UT	1160
1503 XHY 2 YUC	????
1655 KXMA 2 ND KXMB-12 Nx 1700	1110
1725 KTWQ 2 WY	996
06 Es 0030 KASA 2 NM	753

# Western TV DX (D.Oglethorpe's report continues)

06 Es 0108 KNAZ 2 AZ 1045

## Notes:

1. The Televisa station list shows an XHGC-5 relay in OAX on channel 2 with the calls XHHN. On the other hand, the TV Azteca list shows an XHHN-9 in SO. My speculation is that the station in OAX is actually XHHN-2. XHAP-2 Acapulco is also listed with wrong calls on the Televisa list: XHAG.

2. Twice in seven days. Close Es and very rare catch.

## Comments:

Here are some thank yous: to Victor and Doug for information about sources of interference. To Rich Wertman for answering my questions about traps, and for his good products. To Stephen West and Neil Kazaross for their VUD articles on modifying parabolic dishes.

## Second report:

June 1997	UTC
06 Es 1520 XHFM 2 VER Note #1	950
1655 XHAP 2 GR	1142
07 Es 1452 WPBT 2 FL	939
1500 XHHN 2 OAX "XHHNCH2" supered	
unIDs 2,4 Mexico	
1800 XHI 2 SO	1026
2100 KWGN 2 CO "Denver's 2"	806
2125 KCNC 4 CO	806
2250 WPBT back	
unIDs 2,4 Spanish	
08 Es 0015 WFOR 4 FL	939
0018 WPTV 5 FL	912
0028 WTVJ 6 FL "NBC6" logo floating	939
0040 Cuba 5 Volleyball; Cuba v Korea	
0050 Cuba 2 //5	
2312 KUTV 2 UT	1160
2330 KGFE 2 ND Prairie PTV	1086
09 Es 0115 unID 2 XEW	
1620 unID 2 Mexico	
1657 WPBT 2 FL	939
1701 WFOR 4 FL Logo supered lower right	939
WTVJ 6 FL Logo floating	939
1712 WPTV 5 FL	912
1715 WEDU 3 FL ID floating	743
1725 WCBF 2 SC New logo since NBC	805
1755 WJXT 4 FL	728
1835 WCIV 4 SC	805
1835 WCSC 5 SC	805
1840 WUND 2 NC	1031
WUNC 4 NC UNCTV //2	875
1842 WRAL 5 NC	896
1845 WYFF 4 SC ID in bar	676
1859 WSB 2 GA Nx promo	551
WSJK 2 TN Public TV for East TN	665
2035 WDTN 2 OH	735
2114 WJBK 2 MI	904
10 Es 0020 Cuba 2	
0037 Cuba 4 Not //2	
0042 WPBT 2 FL	939

10 Es 0050 Cuba 4 //2	
1440 unIDs 2,3,4,5 XEW,XHGC-5, others	
1510 XHY 2 YUC Note #2	
1515 XELN 4 COAH ID supered top	752
1613 KNAZ 2 AZ	1045
11 Es 2310 KTWO 2 WY K2	996
12 tr 2220 WTVJ 9 MS	319
Area tropo	
13 Es 1425 KXMA 2 ND	1110
14 Es 1645 CKND2 2 MB WPG-TV	1279
15 Es 1458 WFMY 2 NC	838
2145 WJBK 2 MI	904
16 tr 1425 WTVJ 9 MS	319
WCBI 4 MS	319
1445 WMAB 2 MS	274
17 Es 2300 WMAR 2 MD	1072
WUND 2 NC	1031
2315 WBBM 2 IL	737
2320 CHBX 2 ON Note #3	1098
2324 WBAY 2 WI	892
2325 WTOM 4 MI 7/4	1042
18 Es 0035 WJBK 2 MI	904
0150 Cuba 2 Baseball	
0158 WPBT 2 FL	939
1315 unIDs 2 XEW, TV Azteca	
1358 XHY 2 YUC	
1858 XHFM 2 VER	950
unIDs 2,3,4,5,6 SS	
2100 unID 4 Mexico; "Central 4"	
2350 Cuba 2 Baseball	
19 Es 1615 WJBK 2 MI	904
1935 WCBF 2 SC	805
WCIV 4 SC	805
WCSC 5 SC	805
2010 WUND 2 NC	1031
2020 WUNC 4 NC Sesame St.; //2	875
2045 WFMY 2 NC	838
2050 WRAL 5 NC	896
2110 WESH 2 FL	789
WPTV 5 FL	912
2115 WFOR 2 FL	939
WPBT 2 FL	939
2123 WJBK back	
2129 WDTN 2 OH	735
WCMH 4 OH	795
2135 WDIV 4 MI Newsbeat	904
2158 KGAN 2 IA	672
2201 WBBM 2 IL	737
2215 WBAY 2 WI	892
2220 KXMA 2 ND	1110
20 Es 0040 NC back	

## Notes:

1. In a round-about way I discovered that the distance I've been using for Veracruz is incorrect.  
2. Does anyone have any information about XHY? I thought the channel 2 was a relay of channel 3. After seeing IDs that show this to be XHY-2 with a big "2" prominently displayed, along with an address at the end of a local interview listed as "XHY-TV2... Merida," I don't know what the situation is here. I've got pretty photos to prove my point.  
3. New (since I last saw CHBX last summer) news logos look like channel 6 and 12 station logos. "Where the North get their news" is new slogan.

# Western TV DX

Danny Oglethorpe's third report:

June 1997	UTC
21 Es 1915 unIDs 2,4,5 Mexico	
2045 WJBK 2 MI	904
22 Es 1845 WMAR 2 MD	1072
unIDs 2,4,5	
2300 CHBX 2 ON	1098
2330 WJBK 2 MI	904
2400 WMAR 2 MD	1072
23 Es 0010 WDIV 4 MI	904
0015 WGRZ 2 NY	1091
0018 WRC 4 DC "Celebrating 50 years."	1042
0020 WUND 2 NC	1031
0025 WFMY 2 NC	838
0033 WUNC 4 NC UNC/WUND	875
0050 WTTG 5 DC	1042
0120 WDTN 2 OH	735
0155 WESH 2 FL	789
0200 WPBT 2 FL	939
0202 unID 2 SS	
0215 WPTV 5 FL	912
0255 WBAY 2 WI	892
1700 unIDs 2,4,5 Televisa, TV Azteca, others	
1855 XHFM 2 VER "Telever"	950
1925 XHAGU 2 AGU Local NX and ad	896
24 Es 0003 KUTV 2 UT	1160
tr 0430 Houston V and U s/f	
0530 KEDT 16 TX	385
Es 1845 unID 2 XEW	
1904 WPBT 2 FL	939
WFOR 4 FL	939
1906 WTVJ 6 FL Montel floating	939
1910 WPTV 5 FL	912
2005 XHG 4 JAL TV4 Guadalajara ID	1003
2055 unIDs 2,3,4,5,6 Mexico	
2130 unID 2 XHQ-3 relay	
2200 XEFB 2 NL ID	611
2245 XHFM 2 VER Little House	950
2310 KNAZ 2 AZ	1045
2345 KVVU 5 NV Very strong; IDs taped	1238
25 Es 0025 KPHO 5 AZ Floating on KVVU	1065
0030 FL back	
0110 KTVX 4 UT	1160
unID 4 Mexico	
KSL 5 UT	1160
0120 KASA 2 NM "Kasa Fox 2"	753
0130 KOB 4 NM	764
0145 KWGN 2 CO	806
0259 KACV 2 TX Again!	501
0310 FL back	
1835 KNAZ 2 AZ	1045
XEPM 2 CHIH	746
1840 KDBC 4 TX	746
1845 KVVU 5 NV Super signal again	1238
KTVK 3 NV Floating	1247
1930 KNOP 2 NE	717
1940 KIVV 5 SD FOX 7	987
2013 KTVQ 2 MT w/ other stations	1215
2015 KHMT 4 MT Fox 4	1184
2050 KXMA 2 ND	1110
26 Es 0055 KOAA 5 CO	734
0103 KTWO 2 WY	996
0120 KCWC 4 WY WY PTV	1071
0310 KTVX 4 UT	1160
0315 KGFE 2 ND	1086

0315 KWSE 4 ND Prairie//2	1206
0320 KUTV 2 UT	1160
KSL 5 UT	1160
1540 KWGN 2 CO	806
1559 KTWO 2 WY	996
1600 KNOP 2 NE	717
1645 KCWC 4 WY	1071
1730 WMAR 2 MD	1072
1753 KGWL 5 WY "14" ID taped	1071
1828 KTVQ 2 MT	1215
1958 WJBK 2 MI	904
WDIV 4 MI	904
2020 WTOM 4 MI	1042
2035 CHBX 2 ON Jill Armstrong NX promo	1098
2040 CKCO2 2 ON	1103
Now w/BBS-D-MCTV on ID	
2215 CKPR 2 ON	1130
2220 WFRV 5 WI	892
2228 WNEM 5 MI	943
WGRZ 2 NY	1091
2335 WDTN 2 OH	735
2340 WRC 4 DC	1042
27 Es 0010 WTTG 5 DC FOX	1042
0035 WDTV 5 WV	876
0040 CJCI 5 ON BBS/MCTV	
0304 KGAN 2 IA	672
1530-XHFM 2 VER English movie w/subtitles	950
unID 2 XEW	
1615 CKPR 2 ON	1130
WBBM 2 IL	737
1655 CHBX 2 ON	1098
WBAY 2 WI	892
1700 WCCO 4 MN	870
KTCA 2 MN	869
1729 KGAN 2 IA	672
CHFD 4 ON "TBT 4 and 6"	1130
28 Es 1532 WJBK 2 MI	905
1645 KASA 2 NM	753
1710 WBAY 2 WI	892
1730 WIVB 4 NY "Part of the Family"	1091
1745 WGRZ 2 NY	1091
29 Es 1629 WDTN 2 OH	735
1720 unIDs 2,4,5 Televisa, TV Azteca	
1840 WESH 2 FL	789
1915 unID 4 "Central 4," Mexico	
2310 Cuba 2	
2315 WPTV 5 FL	912
2340 WPBT 2 FL	939
2350 WBBM 2 IL	737
30 Es 0010 WTOM 4 MI 7/4	1042
0045 WJBK 2 MI	905
0320 CKND2 2 MB	1279
2100 WESH 2 FL	789
2105 WPBT 2 FL	939
2145 WFOR 4 FL	939
2150 Cuba 2 ICRT TP; s/on 2200	
2220 Cuba 2 Childrens' program	
Above two different stations	
2240 Cuba 4 Nx; not //either 2	
2310 KXMA 2 ND KXMB-12 Nx	1110
2358 KPRY 4 SD KSFY- ID	900
July 1997	UTC
01 Es 1445 unID 2 Canada; 100 Huntley	
1458 WCBF 2 SC	805
1512 WCIV 4 SC	805
WCSC 5 SC All three gone soon	805

# Western TV DX *D. Oglethorpe's report concludes*

1705	unIDs	2,4,5	XEW,XHGC-5, others	
1745	KNOP	2	NE	717
	KIVV	5	SD FOX 7	987
1803	KDUH	4	NE KOTA-3 Nx	852
1828	KTWO	2	WY	996
02 Es 0245	KTVQ	2	MT	1215

John M Jefferson, 4104 Spyglass Ct., Antioch, CA 94509

Is it really the skip season? Can't prove it by my FM & TV logs! Fully half of the days in June had no observed skip activity -- not even cci on 2! I telecommute two days a week, so I'm only gone three days a week, and then I monitor the car radio during lunch, so I don't think I've missed many significant openings. Anyway, here's what's happened. A @ indicates new to Antioch; underlines mark new loggings to the Diablo Region log.

April 22, 1997	Es		PDT
1129	KASA	2 NM Santa Fe ID	871
	KACV	2 TX Amarillo ID	1125
1232	KMID	2 TX Midland Calls	1190
1259	XEPM?	2 CH Cd. Juarez XEW TV ID	
May 6, 1997	Es		
1029	KACV	2 TX Amarillo Calls	
1100	KMID	2 TX Midland ID	
1159	KMID	2 TX Midland ID	
1259	KMID	2 TX Midland ID w/ 76 & 12 xlaters	
1400	KASA	2 NM Santa Fe ID, Fox-2	
May 8, 1997	Es		
1759	KREM	2 WA Spokane KREM-2	705
1815	KXLY?	4 WA ** Wx map w/W. Montana	
May 25, 1997	Es		
1646	KNOP	2 NE N. Platte Calls	1141
June 1, 1997	Es		
1545	KVOA	4 AZ Tucson ID	731
1622	XEPM?	2 CH Cd. Juarez XEW ID	
June 5, 1997	Es		
1759	KMID	2 TX Midland Big 2, Midland	
June 8, 1997	Es		
1259	KACV	2 TX Amarillo ID	
	SL		
1938	KRXI	11 NV Reno Fox-11; ads	135
June 17, 1997	Es		
1658	KACV	2 TX Amarillo ID	
July 1, 1997	Es		
1959	KXMA@	2 ND Dickinson KXMB ID	1148

On June 8, I traded my old GE Superadio w/Elving SCA mods for ch. 3, 10, & 13 traps. KRXI was an instant reward, relaying KTVU-2 except for occasional local spots. Without the trap, they were buried under KXTV-10. KXMA probably was also made possible by the traps, since it's behind KCRA-3.

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

Equipment: 1992 Zenith Sentry - 2 13" color TV, Channel Master 4228A screened 8-bay w/RDX Labs

UA-900 preamp for UHF, Channel Master 1114  
Crossfire w/RDX Labs UA-702 preamp for VHF, both @ 20' above ground.

June 1997			CDT
02 Es 1848	unID	5 XEW5	
02 Es 1923	unID	4 NBC	
	1932	KTVK	3 AZ 103° in lower right! 1245
	1946	KDBC	4 TX ID 910
	1949	XEJ	5 CH verified w/help from web! 910
	1959	KVOA	4 AZ ID, nx 1175
2021	XEPM?	2 CH SS floaters o/WBRZ	
04 Es 1855	WTAE	4 PA ID	930
	1857	WSTM	3 NY local ads 1145
	1859	WPSX	3 PA ID 975
07 Es 1214	Cuba?	3 color bars	
	1359	KTVK	3 AZ 1245
	1854	Cuba	3 weather map of Cuba
	1921	Cuba	4
09 Es 1944	unID	3-5 SS--Cuba?	
18 Es 1714	unID	4 SS	
19 Es 2008	unID	3 NBC, PBS	
21 Es 1452	YSU	4 ES right direction, San Salvador mentioned. 1170	
	1453	unID	5 SS cartoon--Guatemala?
22 Es 1938	unID	3 NBC, CBS to N	
	unID	4 ABC, NBC to N	
24 Es 1802	KPHO	5 AZ 1245	
	1958	KOAA	5 CO 940
	2031	KTVS	3 CO ID over PBS 3! 945
25 Es 1958	KHMT	4 MT New State #32 1380	
		Fox 4 ID, Billings mentioned	
26 Es 1829	unIDs	3-5	
	1951	97.7 KRRR Waterloo IA on FM--no TV ID's today!	
28 Es 1143	KOB	4 NM Albuquerque Ads 955	
29 Es 1853	unIDs	3 and 5	
30 Es 1754	unIDs	3, 4 SS	
	2023	unID	4 "Chicago Hope" to NW KXLF?
July 1997			CDT
02 Es 1658	KFYR	5 ND ID	1240
	1752	KOTA	3 SD "KOTA territory" 1150
	1800	KIVV	5 SD Fox 7 ID 1180
	1810	KTVS	3 CO "CBS Newschannel 5" 945
	tr 2026	KLRT	16 AR ID 305

Not a bad June! Got a new state, (actually two, a new Mexican state as well), and a new country! As usual, the Web came through in helping to identify stations within minutes of receiving them.

Pat Dyer, WASIYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744 pjdyer3@juno.com

all times are GMT, distances are in miles

June 1997			UTC
18 Es 0300	WRCB	3 TN Chattanooga	
	0303	WAVE	3 KY Louisville (xmtr in IN)
	0439	KGAN	2 IA Cedar Rapids
	1351	WESH	2 FL Daytona Beach
	1650	WAVE	3 KY Louisville (xmtr in IN)
	1732	WSAZ	3 WV Huntington
	1859	WDTN	2 OH Dayton

# Western TV DX *Pat Dyer's report concludes*

2359	WESH	2 FL Daytona Beach	
19 Es 0022	WEDU	3 FL Tampa	
	2054	KGAN	2 IA Cedar Rapids
	2114	WAVE	3 KY Louisville (xmtr in IN)
	2213	WJBK	2 MI Detroit
	2259	WESH	2 FL Daytona Beach
20 Es 1559	KDLH	3 MN Duluth	
20 Es 1657	KNOP	2 NE North Platte (Note)	
27 Es 1602	XHVIZ	3 TAB Villahermosa	
28 Es 1622	WJBK	2 MI Detroit	
29 Es 1559	WVAY	3 NC Wilmington	
	1659	WEAR	3 FL Pensacola
	1718	WESH	2 FL Daytona Beach
	1727	WEDU	3 FL Tampa
30 Es 2258	WEDU	3 FL Tampa	
	2331	WESH-	2 FL Daytona Beach

July 1997			UTC
01 Es 0034	WBTB	3 NC Charlotte	
	0259	KGAN	2 IA Cedar Rapids
	1608	WAVE	3 KY Louisville (xmtr in IN)
	1609	WJBK	2 MI Detroit
02 Es 1709	WBAY	2 WI Green Bay	
	1813	KDLH	3 MN Duluth
	1940	KXMA	2 ND Dickinson
	2159	KDLO	3 SD Watertown
	2228	KIMT	3 IA Mason City
	2229	KTCA	2 MN St. Paul
	2243	KOTA	3 SD Rapid City
06 Es 2040	WSAZ	3 WV Huntington	
	2116	WDTN	2 OH Dayton
09 Es 2046	XHAPB-	6 BCS La Paz	
10 Es 1559	WAVE	3 KY Louisville	
	1617	WDTN	2 OH Dayton
	1635	WTWO	2 IN Terre Haute
	1717	KIMT	2 MO St. Louis
11 Es 0012	TGV-	3 Gua Guatemala City	

## Notes:

June 18: The MUF poked into channel 4 a few times around the 0300Z period, but heavy in-state tropo (from 90° highs) did much to mask any excursions up to the higher frequencies. (next morning) More in-state tropo masking the FM Es MUF determinations difficult again. Lots of unID Mexico TV in 2100-2200Z.

June 19: MUF at least 106.3 @ 2120Z with maybe a faint heterodyne or two to a local 108.4 MHz VOR. Again, a strong Es event at the normal afternoon minima. This is usually indicative of some "leftovers" from a more intense event that was long ongoing beyond my E/NE radio horizon. A wide azimuth spread (was observed) during this.

June 20: So little QSB (fading) was noted on the KNOP-2 signal that for many minutes it was mistakenly thought to be some tropo from the north.

July 1: 1700-1840Z a HUGE amount of unID FM Es from Latin America. Most were likely Guatemala, but

some El Salvador and Honduras possible (maybe even Nicaragua.) MUF peak 105.7 @1709Z.

July 6: MUF maybe peaked 96.9 MHz. Earlier intense in-state/Mexico tropo was a hindrance. From the reports on (the Internet) the past few days, it would appear that the most intense Es has been N/NE of the radio horizon here.

Mike Cherry, VE7SKA, Box 631 Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

June 1997			UTC
14 Es 0440	KTVK	3 AZ beam 150°	
18 ms 1149	KTVQ	2 MT 29 sec burst	
	1213	CKCK	2 SK 12 sec burst
20 Es 0259	KTVS	3 CO beam 120°	
30 Es 0259	KSWK	3 KS beam 125°	

July 1997			UTC
01 Es 1758	KREG	3 CO beam 130°	
	1935	KCNC	4 CO beam 130°
	1955	KWGN	2 CO beam 130°
	2030	KTVU	2 CA beam 175°
	2047	KCRA	3 CA beam 175°
	2158	KASA	2 NM beam 155°
02 Es 0230	KREG \$	3 CO beam 130°	
	0258	KLBY	4 KS beam 130°
	0300	KSWK \$	3 KS beam 130°

KSWK-3 put in a cable-TV grade signal for about 45 minutes. Clearest, strongest TV Es yet this season.

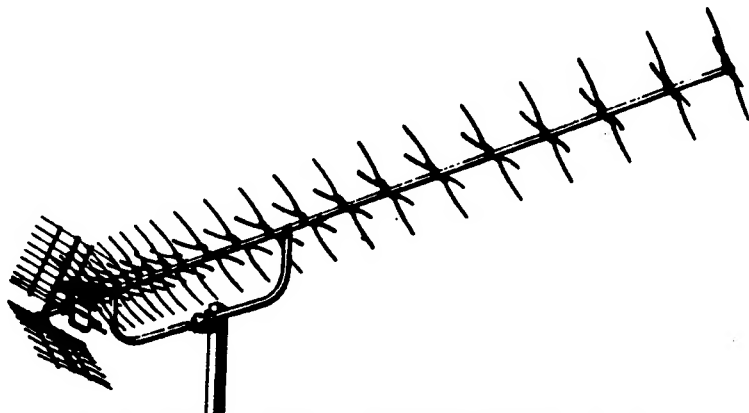
05 Es 2051	KVBC \$	3 NV beam 145°	
	2059	KCRA	3 CA beam 180°
	2100	KRON \$	4 CA beam 180°
	2157	KCBS \$	2 CA beam 185°
	2212	KEYT \$	3 CA beam 185°
	2326	KTVX	2 UT beam 150°

## Postscript from your editor.

My apologies to Fernando Garcia for mileage errors which appeared in June 1997 VUD due to my lack of editorial diligence. The final digit of some of the mileages was pushed off the frame. For instance, the April 6 logging of WMAH should have been 770 miles instead of 77 miles. Since Fernando only posted DX exceeding 500 miles, these errors are obvious.

The California to Hawaii tropo path was open again on July 7 local, with Southern CA seeing most of the action. I did hear the two meter (144.170 MHz) KH6HME beacon from when I got home at 0040Z (8 July) until about 0400Z, but the path loss to here (near San Francisco) would have prevented TV or FM reception even on a clear channel if one were available.

A number of radio amateurs and TV viewers have commented to me that this has been a very slow Sporadic-E season, at least so far!



## UHF TV DX ANTENNAS IN THE NEXT CENTURY

by Ken Covington, ASHCO Laboratories

JUST LIKE THE FORD EDSEL and A.M. Radio, Television as we know and repair it is about to become extinct. UHF, long the "Ugly Duckling" of the TV channel litter, will become the main medium for what remains of terrestrial TV broadcasting. Expect those over-the-air stations to be heavier on "local" content and more diversified too, to compete with the 500-channel DBS satellite, cable-TV, and Internet alternatives. This may well lead to a renewed interest in better UHF reception, due in part to the all-or-nothing nature of digital broadcasting.

THIS MEANS an end to the annoying "snow" (ie: noise) visible on weak and marginal strength television signals, as well as other "gee-whiz" fixes that have long been in high demand by your customers. Ghosting will also be a thing of the past, as will co-channel interference "venetian blind" effects. But it also means that better UHF antennas will be needed by most viewers, if they want to take full advantage of the new technology.

THE EARLY DAYS of Television featured a small nationwide cadre of long-distance reception fanatics (DX-ers, the "DX" meaning "distances") who, like their counterparts in the early days of Radio, resorted to home-brewing equipment and going to pretty extraordinary lengths (such as all the way to the top of 70-foot towers, and sometimes, such as with Jack Darr, up to the tops of high-rises and hills just to view a picture, any picture, from that new TV station in the next city. Some found it to be quite an achievement to be able to view just a second or third area signal, such as the "upstart" Dumont and ABC affiliates that appeared and gave the fledgling TV broadcasters their first taste of competition. Finally, color came onto the scene, and the need for a good antenna started to become widely acknowledged.

Now, half a century later, the Federal Communications Commission has re-structured TV broadcasting to finally favor the UHF spectrum (just as Europe has done for two decades) and to use the available spectrum space far more efficiently than ever before. The challenge to the technician as well as the salesperson will be to convince the home electronics consumer of the importance of good reception equipment for UHF. It may not be so hard to convince them to part with their inexpensive bow-tie back-of-set antenna when they finally see what kind of picture is possible with the new technology.

Problem is, not even many technicians have bothered to learn what constitutes a "good" or "excellent" class TV reception antenna. Hence, we'd like to bring you up-to-date on UHF antennae and techniques for the coming change in off-air reception techniques.

NEXT: UHF ANTENNAS: THE GOOD, THE BAD, AND THE UGLY!

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